

SEQUENCE LISTING

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SAHNI, Narinder Singh
LONNEBORG, Anders

<120> PRODUCT AND METHOD

<130> Q87920

<140> US 10/535,414

<141> 2005-05-19

<150> PCT/GB03/05102

<151> 2003-11-21

<160> 501

<170> PatentIn version 3.3

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ccacggccac agccactaat caggaggcca ggcacacctg cctntaccca accagggccc	480
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tgaccttggg gtaggttggg tgaagggtat acaggaaactc tttgtactat ctctgcaact	240
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aatatgaaga cttagaagag tagcatgagg aaggaaaaga taaaaggttt ctaaaacatg 240
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cgcanggaga attgcgcatt taaagcctag ttacgcattt actaaacgca gacgaaaatg 540
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tgtatgagat ggttaaaaaa gccaaagata aaagggttct ttttttttcc ttttttgtct 180
atgaagtgtc tgtttatttt ttttgccctg tttgatgtat gtgtgaaaca atgtgtgtcca 240
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cagcctgtca cttaaactga taaacgacag attaacagta gaaaaatttt attttgcata 180
cataatgagg cttcacaaaa gagaagtga aaccaagta ggagttagg gctgggggct 240
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atgaattcta tttaaatttg tcacttaata tttagccaag aagcaaacca tctaaaaaga 240
tttctggttt atttctccaa ctccataata atagggtcac atatttttta acttttttct 300
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tttcatttta aaagttgggt cagttttttt attagtacat gtatttctat cctactgatt 480
tatttgctat atcatctaatt tagtttgaa tattccataa ttacttaat tagtcctgta 540
tggagacctt gctcttctca gtgtctacta ttataaacia tgctacagtg aatattggtg 600
nataaatcct acacaccacg taacatatct taagttcctg gaagagatat tgctaaacca 660

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tgggaatggg gttggataaa ccaatgaact ttattataaa caaatccac ctatatctan	180
caaatttata ttttcggtga aatacagata ttgccttc tggagtanta tagaagctgt	240
caatatgtat ctactgtaca gtactaaata gtattcattt atgaaatgag tagtgtttgg	300

gtggctgggg ttaaggaaaa atgagacttg gaattgtagc ttttatccaa gttttgagta	360
taaatagggt tttgtttgt ttttttaac ctaaaaactg aaatgccata tagaaaaaca	420
gcattgtttt tacagtttgt agtaagtaac tttttaaaga ttttatcaaa aagaattttg	480
tctatngtga gtaaaagaag ttctaataat ggcctaatac ctgcattttt aaaaaacaaa	540
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<212> DNA
<213> Homo sapiens
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ggctgatggg cactcttgtt ggttccatca gccagagctc tgccaaaggc cccgcagtcc	180
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aagatctatg ggtttttaat atggattana aatctgtggg tttttgatat ggattanaaaa	180
tctgtggggt ttaatatgga attggaatac tgtgggtttt taatatggat taaaaaacat	240
ctgtgggttt ttaatatgga ttaaacatct gtgggttttt aatatggatt aaacatctgg	300
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 18	
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa

154

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 <212> DNA
 <213> Homo sapiens

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 gggtcacatat tttttaactt ttttctaatt tgaaaagtaa tacaggcata tggatatttta 180
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tacctcattt tcaagangag aagtttctaa ttgccacttc tttaaaaata aaacaggggt	600
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<400> 22 gtttgttaca ggcagaattg gatagataca gccctacaaa tgtatatgcc ctccccgtgaa	60
aaaaattgga tgaaaatctg cacagcaaa gtaaacacac agataatagg aacaaaatgt	120
agttcccatg tgccaacaaa aataaatgaa atctctgcat gtttcagcca tatctgcctt	180
ttgggaatgt aatcaaggna taatctttgg ctagtgttat gtgcctgtat ttttttaaaa	240
tggtacacca gaaaaggact ggcagcttac ttctaccata gttaaacttc accctcttta	300
atttcacaac atattctttg gaagcaggaa gaaatgtca taaaggagat cagacccttc	360
ttcccgtaga accagtat ttggccatat ataagcctgg ttaaatgggt catctaaagc	420

tgTcaataa	gacattctgt	gaaaggtaaa	catcgaaact	ggttataagt	aaaaccatca	480
agccaacaac	agggtcttga	gataaccttt	gaagcttatt	gtctggcctg	caccagaaga	540
tgTctgcatt	actcattgct	aaaaatgtgt	acacagaact	gcactaggat	taattggttc	600
aagaagaaat	ttaaacttac	gtttgggttt	ccatacagca	ctctattgaa	tacatgcatc	660
tgaatttaag	ttgcaa					676

<210> 23
 <211> 609
 <212> DNA
 <213> Homo sapiens

<400> 23	gaccagtaat	ggctttttaag	agtccatttt	gtcattgtct	ccctagttaa	ttacaggtgg	60
	gggatctttt	gcctctattc	tcttcatatt	gaaatgaatc	atactcatgt	tttgtggaac	120
	tccttaaaagt	tgtagctgtc	atgacagat	tttttttata	tttctcagc	ttaaactctgc	180
	tacttgattt	acagtgacct	ataacctact	catccttggt	ttatagtgac	acataatctt	240
	atctctttat	agaaccttaa	attttatcat	tattttcgct	tagaatacag	catttctttg	300
	cttctgttgc	tggtttgact	taagaaataa	ggcagtaact	ctgatcaatc	aattatccat	360
	aaggaagggc	ttttcatggg	ttctattaat	ttgtagtac	cctaagtata	tctgaaaaat	420
	atgtctattg	agagaagatt	ttggcattcc	agatgggata	gtctatatat	atttaaagtt	480
	ttgaatttgc	ttatatatac	tcagctttct	ttttctagca	tttttgcatt	tacctgttaa	540
	ttgaagtata	ccccccacat	ataaaaagttc	ctcttaaaga	cactgggactc	tttctggggg	600
	gctaaaata						609

<210> 24
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (463)..(463)
 <223> n is a, c, g, or t

<400> 24	cccggaatcg	cggccgcgt	cgacaacaaa	cctgcatgtt	ctgcacatgt	atccaggaac	60
----------	------------	-----------	------------	------------	------------	------------	----

ttaaaaaaaa	aaaaagatag	tttgtgtgtc	ttaattgaat	aatagtagat	ttatagatta	120
aagatctatg	gggtttttaa	atggattana	aatctgtggg	tttttgatat	ggattanaaa	180
tctgtgggtt	tttaatatgg	attggaaatc	tgtgggtttt	taatatggat	taaaaaacat	240
ctgtgggttt	ttaatatgga	ttaaacaatc	gtgggttttt	aatatggatt	aaacatctgg	300
gtttttaata	tggattaaac	atctgtgggt	ttttaatatg	ggttaaaaat	caaaagaaaa	360
tgaactattt	gctccagtcg	aggaaaaatc	aggcaatact	ggatacaatt	agatggctag	420
gagcgataac	ccggttgcca	ttgtttgaag	aagagaataa	ggngctagca	ttcctatccg	480
tagataattt	gacagctagg	aaataggggg	agtcttctat	gtagttagtg	aaggctaaat	540
gaactattat	atgc					554

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<210> 25
<211> 674
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (672)..(672)
<223> n is a, c, g, or t

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<400>	25					
cggtaccga	cagaaggact	atttcatcgc	caccagggg	ccactggcac	acacggttga	60
ggacttcttg	aggatgatct	gggaggggaa	gtcccacact	atcgtgatgc	tgacggagggt	120
gcaggagaga	gagcaggata	aatgctacca	gtattggcca	accgagggct	cagttaactca	180
tggagaaata	acgattgaga	taaagaatga	taccctttca	gaagccatca	gtatacgaga	240
ctttctgtgc	actctcaatc	agccccaggc	ccgccaggag	gagcagggtcc	gagtagtgcg	300
ccagtttcac	ttccacggct	ggcctgagat	cgggattccc	gccgagggca	aaggcatgat	360
tgacctcatc	gcagccgtgc	agaagcanca	gcagcagaca	ggcaaccacc	ccatcacctg	420
gcactgcagt	gccggagctg	ggcgaacagg	tacattcata	gccctcagca	acattttgga	480
gcgagtaaaa	gccgaggggac	ttttanatgt	atttcaagct	gtgaagagtt	tacgacttca	540
gagaccacat	atggtgcaac	cctggaacag	tatgaaatgt	gctacaaagt	ggtacaagat	600
ttattgatat	atttctgatt	atgctaattt	caatgaagat	cctgccttaa	atatttttta	660
atttaatggc	anat					674

<210> 26
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (524)..(524)
 <223> n is a, c, g, or t

<400> 26
 caagactcca tctcaaaaaa aaaaaaaaaat ctacagtgcct gagtatataa aattattaac 60
 acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttaa aacaggtaat 120
 tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
 gtttgttaca ttgttcaaga aataagtaga aatatattcc tttgtttttt attttaaattt 240
 ttgttcctct gtaactaaa agaacacgaa gtaattggtc acaattactg gtgtttaact 300
 gccaaatatg ggtaataaag ggaataattt gttaaatatt tagtccttct gagatggcct 360
 gaatatttga attttgtgtg acgtctatac tgggtagtca caagctttat aaacacttta 420
 gaggaagatg ggatttcagt ctgtattttt aaacatcatt ttttttaaatt ctgggtgctga 480
 aaaaataaga aaaaattaaa ctgcattctg ctgttcttct ttanaagcat tcctgcgtaa 540
 atactgctgt aatactgtca tgcaaaagtgt atccttttct gtcgtatcct ttttggggca 600
 gtggtttttt 609

<210> 27
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 27
 gcgggaatcg cgcccgctg cgacctcaa ggagaaaaa aaccttgtaa aaaaagcaaa 60
 aatgacaaca gaaaaacaat ctatttccga gcattccagt aacttttttg tgtatgtact 120
 tagctgtact ataagtagtt ggtttgatg agatgggttaa aaaggccaaa gataaaagggt 180
 ttcttttttt ttcttttttt gtctatgaag ttgctgttta ttttttttgg cctgtttgat 240
 gtatgtgtga aacaatgttg tccaacaata aacaggaatt ttattttgct gagttgttct 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tttttaaatt 360
 tttaaaataa aacccttggt tat 383

<210> 28
 <211> 729
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<400> 28
gccgcgtcga cctgcatgag ccacagtttc ttgactggag gccatcaacc ctcttggttg      60
aggccttggt ctgagccctg acatgtgctt gggcactggt gggcctgggc ttctgaggtg      120
gcctcctgcc ctgatcaggg accctccccg ctttctctgg cctctcagtt gaacaaagca      180
gcaaaacaaa ggcagtttta tatgaaagat tanaagcctg gaataatcag gctttttaaa      240
tgatgtaatt ccactgtaa tagcataggg attttggaag cagctgctgg tggcttgagg      300
catcantggg gccaaagggt ctctgtccct ggttcaactg tgatttgctt ttccgtgtgc      360
tttcttggtg atgccttggt tggggttctg tgggtttggg tgggaagagg gccatctgcc      420
tgaatgtaac ctgctagctc tccgaagccc tgcgggcctg gcttgtgtga gcgtgtggac      480
agtgttgccc gcgctgtgcc tgcctgtggt gcctacatgt ccctggcttg ttgaggcgct      540
gcttcaacct gcacccctcc ttgtctcata gatgctcctt ttgacctttt caaaattaat      600
atggatggga aagctcctat gccttttggc ttcttgtagt aaggcgggat gcccaagggt      660
ctgcctgggt gtggattgga tgcttggggt gtggggggtg gaaactgtct tgtggcccac      720
ttgggcccc                                     729

<210> 29
<211> 552
<212> DNA
<213> Homo sapiens

<400> 29
cccgcgtcga cttttaaagt catctctata ggaagggtgt gggcagggat cccagagaaa      60
gaaagggttc aagactccat taactgccct ggatgaaggg cactgctaca gcagctagta      120
ccagagactc tcctatctca cggttgaggc agaccaggga tagaatagag aataaaagga      180
atgcttatag gaaacaattt tgtatggaat gctagatggc caagcctcag cctttggtcc      240
agtgaacacc ttgcctcgct tgtaaacagt gaaaaattag ttgtgttaga agaaccatct      300
ggaaacacac cagcttctgc taccttcatg ctattgtta aaaaaagatt aaccagtgtg      360
aacattctga tctgttaatt ccagggactg ttttctttcc aatggactgt ttgttggtag      420
aataaccccc aaaagctcaa agctaaaatg catcatcagt cctagtcggc agttccttaa      480
gaatggactg gcggcgtggg tgagctgatt tggaaaaactg cccttctgca aaaaacactg      540
gcctgctttc ca                                     552

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<210> 30
<211> 606
<212> DNA
<213> Homo sapiens

<400> 30
caagactcca tctcaaaaaa aaaaaaaaat ctacagtgtc gagtatataa aattattaac      60
acatttcaca acaatatgtg ttgtgggagt taaatatatt ttgtctttaa aacaggtaat      120
tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaac      180
gtttgttaca ttgttcaaga aataagtaga aatatattcc ttgttttttt attttaaattt      240
ttgttcctct gtaaaactaaa agaacacgaa gtaattggtc acaattactg gtgtttaact      300
gccaaatatg ggtaaaataag ggaataattt gtttaatat tagtccttct gagatggctt      360
gaatatattga attttgttgt acgtctatag tgggtagtca caagtcctat aaacacttta      420
gaggaagatg ggatttcagt ctgtattttt aaacatcatt ttttttaaat ctgggtctga      480
aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttagaagcat tcctgcgtaa      540
atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttggggca      600
gtgggtt                                         606

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<210> 31
<211> 734
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (617)..(617)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (663)..(663)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (677)..(677)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (706)..(706)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (710)..(710)

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<223> n is a, c, g, or t

<400> 31
ctggactgca tgaccagatc tgatgggtga gactcaggtg gcatggaaga gccgaaagag 60
gataccatat gtgggtgccg ggggggatag gtgagaagta ctagaaggcg gaatggaag 120
acactctctc tcagctctgt gacacgggca gggaccctgc agggctcagg tcctttaaca 180
cagcagcttc attctaacac cagcagcggt ggaacacacg tacaagtatg cagactaagc 240
tcttgcttgg ctgatacggc tttttgggtt tttagagaac atgcatatat gttctcattc 300
atggtacatg aactcagaag ctttactgcc ttttttgtt aatacttctg ggcaaacatt 360
accacttaca actcacacca gttagaaatc atttgtaaaa tgttatttaa taaagccaaa 420
gaactaaatc atatttattt tccaaggntt tctaagatct ctgaaactaa tgaggttttt 480
taaatcccca ttaagtactc atcactgcta gtaaaagcag ttgtctttac ctttaattcc 540
agtgagtccc cttaaattta ttttttatta tctttggcta cattgcctta gacaaaaagt 600
ggtcacccta atttaangga taaaattcac atcctcacag atttcttatt aagaggggtct 660
aanccttgaa taatcancag tggaaatgga agtcttcttt actggnnttn atcctttccc 720
tttttatcc catg 734

```

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<210> 32
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

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```

<400> 32
tttttttta aataaagctg tcggcactca agggtaattt catatcagtg tgnctacaa 60
gctgggggaa aatgagttct aattgtcana gctaccaaat cttcacctt tagcataaag 120
gtttaagat atcacaaaga tgccaagtga ttaataatgt ttaaacac ccctttttct 180
gtctgaaaaa acaactaaaa caatattaca acagtatagt tacagaaggg ttctattttc 240
atatgtttta tgcacactgt gcctcaaagg tactatttaa atatatatac ttttgagggg 300
gtggctaatt cagaaacacc caagacctaa ggaagataca acccatttc taggtgtgag 360
gtctaaatgc ttcacacacc cacttgtgac ctttttcat gaagaatcat aacactgtgc 420
agtgagaaac agtggcaaag caatactgaa agcattttaa attatttact aggttaaaa 480
ggtgaactga tacttttaaa acatcaaatt tcatcat 517

```

```

<210> 33
<211> 536
<212> DNA
<213> Homo sapiens

<400> 33
gcaagtgaga gccggacggg cactgggcga ctctgtgcct cgctgaggaa aaataactaa      60
acatgggcaa aggagatcct aagaagccga gaggcaaaat gtcatcatat gcattttttg      120
tgcaaaacttg tcgggaggag cataagaaga agcaccacaga tgcttcagtc aacttctcag      180
agttttctaa gaagtgtcta gagaggtgga agaccatgtc tgctaaagag aaaggaaaat      240
ttgaagatat ggcaaaagcg gacaaggccc gttatgaaag agaaatgaaa acctatatcc      300
ctcccaaagg ggagacaaaa aagaagttca aggatcccaa tgcacccaag aggcctcctt      360
cggccttctt cctcttctgc tctgagtatc gcccaaaaat caaaggagaa catcttgcc      420
tgtccattgg tgatgttgcg aagaaactgg gagagatgtg gaataacact gctgcagatg      480
acaagcagcc ttatgaaaag aaggctgcga agctgaagga aaaatacga aaggtta      536

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```

<210> 34
<211> 622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (21)..(21)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 34
ctgtnatnga atctgcttgt nactnaaatg ctaaaactcaa ttctgtaatt caatagggtgc      60
acctntctga gaaacatann agacaatgag gaaaaggatt cancattccg tgggaatttgt      120
accatgatca gtgtgaatcc cantggcgta atccaagtaa gatgttcaca aagatttgtt      180
tttaatgtct aattaataaa attttaaagg aagaacatt ctaatacttt aattataaaa      240
agttaactat ttcaaaggt atcaaaatc agttaaacct ttaaagtga tatttcttaa      300
tatcttgaaa ttgtaatgcc ttttttttt cctaaatttt tttgtcatg aaatgagata      360
gtaacagcag attgggacaa caaggttata ttcttgtctt gaatcaggcc atggcttctt      420
tcatccaaat ttcagaccct attattttac ttgtccctg cctcccatcc ctggatatca      480
ngtttggtga tatctacagt taatagagtg accaaatagt aggaatactg tctctctatt      540
ctgaataaaa tactttgaat cagatttaga aataatgaat aaaatacaaa tcaccattga      600
aattgctcta attttgagag ct                                           622

<210> 35
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<400> 35
atcacntgag gcaagagttt gagccagcct agctaactag gtgaaacccc atctctacaa      60
aaatataaaa attagcctgg gtggtgatgg gcacctgtaa ccccgactac tcggggaggct      120
gaggtaggag aatcacttga acccgggaga tggaggttgc agtgagccaa gatcgtgcc a      180
ctgcactcca gcctgtgtga cagaacaaga ctctgtctca aaaaaaata ataataataa      240
taataataaa aaggaataac atagctagga ataaatttaa tcaagaggtt gaaagactta      300
tacacttaaa actacaaaaa aaaaatcact gaaggaatta tagaccctaa taaaaataaa      360
taaaaagaca ttctgtgttt tagggaaaga agacttaata ttgttaagat gtcaatacta      420

```

cccaaagtga tctacagatt caacataatc cctatcaaaa ttccaacagc ctactttgta	480
gaaatggaaa agccaatttt caaattcaga tgggaattgag aggggttctg aataacaaaa	540
acaattcttg ggaaaaaaaa caaaaaacaa agtcaaaagaa ctcacacttc tctatttata	600
aatttactac aaagtatatg taatcaaa	628

```

<210> 36
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

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<400> 36	
tgaacatcca gccatgtcat ttcttcatt cctgccctgg agtaaagtag atttactgag	60
ctgatgactt gtgtgcattt gtacattgca accttagctt acctcttgaa gcatgtagag	120
cattcatcac ccaccattca ttcactgcct actcccacca cagctgtttc gtggtctgtc	180
tgctccctgt gccaccccca ccccatcagg tgggcctttt gcaagtgatg aagtcacctg	240
tgggggaaga gctttccttt cctctcctca actcagaagg cctcttcttc ttgctcaaga	300
gggtgctgct gctttctgcc tccttccccg gccggcctcc atcccagttc accttttcag	360
aaatgcccc tcagtcaact ctccctttt tccttggtt tttatttctc ccagtcctct	420
aagagtatcc ttagtcttaa aaacaataac acagaggatg ggtgcagtgg ctcatgcctg	480
taatcccagc actttggagc ctggggcggg cggatcactt gaggnc	527

```

<210> 37
<211> 403
<212> DNA
<213> Homo sapiens

```

<400> 37	
gtcccgggaat gcggccgcgc tgcacctttt ctatgcctgc tatataaaca gtaccttgca	60
agatgtcctg tctgatatcc aaaaaggggt attgtcaacc ccaagttcag acagctttgt	120
attcttctgt ccttggtatc atgaattact gccatcttta cacagcgccc taaaatacca	180
acgcgaagtt acctgtcag cttgaagctg cgctgtaccg tggaccagc acttctgtg	240
aatgactcag gatgaagcct cgacttctcc ttccatccc atgccagac ccagtggtg	300
cctttcccaa tctgatccag tgactttaag tccagctgtt gcaacctggg catgaggagg	360
agtgcaagat ggctttgtcc tacttggaag gaggctttct gga	403

```

<210> 38
<211> 111
<212> DNA

```

<213> Homo sapiens
 <400> 38
 caccattttac acacagtggg tccttgaata gcatcgtttt attcaatgtc attttgttat 60
 aacattgaga aaaaaattga ttcccgctg gggccactgt ctgtgcaccg t 111

 <210> 39
 <211> 329
 <212> DNA
 <213> Homo sapiens

 <400> 39
 gaaagatcta aaatcgacac cctaacatca caattaaaag aactagagaa gcaagagcaa 60
 attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag 120
 agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180
 caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact 240
 caataaaaaa tgataaaggg gatatcacca ccaatcccac agaaatacaa actaccatca 300
 gagaacacta taaacacctc tatgcaaat 329

 <210> 40
 <211> 341
 <212> DNA
 <213> Homo sapiens

 <400> 40
 gaaagatcta aaatcgacac cctaacatca caattaaaag aactagagaa gcaagagcaa 60
 attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag 120
 agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180
 caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact 240
 caataaaaaa tgataaaggg gatatcacca ccaatcccac agaaatacaa actaccatca 300
 gagaacacta taaacacctc tatgcaaat aactagaaaa t 341

 <210> 41
 <211> 185
 <212> DNA
 <213> Homo sapiens

 <400> 41
 gaaagatcta aaatcgacac cctaacatca caattaaaag aactagagaa gcaagagcaa 60
 attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag 120
 agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180
 caaca 185

 <210> 42
 <211> 553
 <212> DNA

```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
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<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 42

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agaaggccaa ggcataaggga gtggggcagt tgggtgaata ttagtacctt tccttcagnt	120
ncattaatta cccctgccta ctctgcacaa aaggatntaa caacagtttc ctttttaagt	180
gccaggtaca gctgcttata tggangggca tttntnaatg atatccttna tcactgtcctt	240
aatcatcaca tntctaaaac aatcacttta ttgtgttaag gaagataaaa atggctgggt	300
tcaatttcg ttctggaaga aatcgantna aaaggttaacc atttaataat gcanaggga	360
ntttcactgc agaccctaact actggaaatt tttaaaaaca aatgaaaaac ttctactttt	420
tcttctaagc ttacttaacc acccaaatTT tccagccaca tatcttccta gtctacaact	480
gcctttaact ttaagagatg ctcaaaaaaa tgtaaattct caaatacatt cttattacaa	540
ttactgctaa cct	553

<210> 43
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 43	
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actcagttgt catgacttgg acaggtgcta ctgtcaccca gtgggtagag gtcagggatg	180
gtgctaaaca taggacagct gtcaagagaa aagaatgtac ccagcccaa atgtcagtag	240
ggctgaggtt gagaaacca gctgtagctg acgtgtgaag gacagactgg cctggaagtg	300
tgttttctgc cctttccac ccctgcata tagttaaggc caaaggaaaa aaggaatgca	360
ggaaatgccc gttaaaaac ttcaaaacaa tataaaatga tcaattccac taaaaccctt	420
tacacattta agtataaagg tattggtagg aaaatttgtt attcactgct tttctcagtg	480
tcataaata attatttctg ctgtcagttt	510

<210> 44
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 44	
aaaaaaaaaa tcactgaagg aattatagac ccaataaaaa ataaataaaa agacattctg	60
tgtttttaggg aaagaagact taatatgtt aagatgtcaa tactaccaa agtgatctac	120
agattcaaca taatccctat caaaattcca acagcctact ttgtagaat ggaaaagcca	180
attttcaaat tcagatggaa ttgcgagggg ttctgaataa caaaaacaat ctgggggaaa	240
aaaaacaaaa aacaaagtca aagaactcac acttctctat ttataattta ctacaaagtt	300
atagtaatca aagtcgacgc ggccgcgatt ccggg	335

<210> 45
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (304)..(304)
 <223> n is a, c, g, or t

<400> 45
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 tgggaaagcc ccccgcaaac agctggccac gaaagccgcc aggaaaaagc ctcccctctac 180
 cggcgggggtg aagaagcctc atcgcctacag gcccgggacc gtggcgcttc gagagattcg 240
 tcgttatcag aagtcgaccg agctgctcat ccggaagctg ccctccaga ggttggtgag 300
 gganatcgcc cagg 314

<210> 46
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 46
 gcaatttaaat ttttaataac aaagatactg tattttaaca tgggtgaaata tacttggcta 60
 agtccagatt aaaaaaaaa agtatctagc ccaacagtac aattatacag ctttgtacag 120
 aacattccat agatcaacag aaaatacatt tgagcgcaa aataaaaaat atttaaggag 180
 aatctctaag cagcatttta tttctgcaa agacatatct tgtctgatta aatatctaca 240
 agtgcttttc ctttcaaaaa tacatatatt cttaatagac taagtcatta acaatgacct 300
 ggtaattctt tcacttcaat ttgaatgatt tataagctaa atcttcaacc acaaaaagggt 360
 ttttatttgt attaatgatg taccactttt gacaaaaagc ttaaaatatt ttatatattca 420
 aaggaaaatt agcaacataa ctttacaata tattctatga tttttgatt gtgagggcta 480
 ctctatttaa aactgatgat ctctgttggtg ttgctcagat gcaggaaaagc agcaaaa 537

<210> 47
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<400> 47
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aatagagtaa	aacagtg	ttt	ctaggctggg	agacaccaga	catagttgag	gacagaggtg	180
ctagaaaata	ggaagtttaa	aagcatgtgc	ggtgatgtct	agaggaggtg	aacccccacc		240
tcatgtctat	agcttccaat	cattttctct	agttcttaac	tcttaaatgt	gagaaatgct		300
tgaagattct	agtcattctg	agaaagtctc	tttattaaag	attttcataa	aagagaccaa		360
agcagacaaa	cagaaaaaga	catcttgggg	aaaaaaaaca	ggataatggg	aagagaagga		420
aagttttaaa	aattatcaat	atcctcaggg	ggacaaaata	ttatatccta	taaagacaga		480
tttttttttt	ttaaaaaaat	agaaagcaaa	acaagctcct	aaaaataaag	tttg		534

<210> 48
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 48	
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ttcaagggat	ggaaggtcac ccgtaaggat ggcaatgccg gtggaaccac gctgcttgag 180
gctctggact	gcattctacc accaactcgt ccaactgaca agccttgcg cctgcctctc 240
caggatgtct	acaaaattgg tggatttggg actgttctcg ttggcggagt ggagactggt 300
gttctcaaac	ccgggtatggt ggtcaccttt gctccagtca acgttacaac ggaagtaaaa 360
tctgtcgaaa	tgcaccatga agctttgagt gaagcttttc ctgggggacaa tgtgggcttc 420
aatgtcaaga	atgtgtctgt caag 444

<210> 49
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 49	
ctttgaagaa	ctttgcaaaa tactttctta ccaatctcat gaggagaggg aacatgtctga 60
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accagactgt	gatgactggg agagcgggct gaatgcaatg gagtgtgcat tacatttggg 180
aaaaaatgtg	aatcagtcac tactggaact gcacaaactg gccactgaca aaatgacccc 240
ccatttgggt	gacttcattg agacacatta cctgaatgag cagggtgaaag ccatcaaaga 300
attgggtgac	cacgtgacca acttgcgcaa gatggggagc cccgaatctg gcttggcgga 360
atatctcttt	gacaagcaca cctggggaga cagtataat gaaagctaag cctcgggcta 420
atttcccat	agccgtgggg tgacttcctt ggtcaccaag gcagtgcatt catgttgggg 480
tttcttttac	cttttctata agttgtacca aaacatccac ttaagttcct tgatttgtcc 540

attccttcaa ataaagaaat ttggtg 566

<210> 50
<211> 400
<212> DNA
<213> Homo sapiens

<400> 50
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gtgagttcct ctctattgac ttgctgggaa gtttatagag acatttttta tgcattcaga 120
gatttcagta caaatcttga aaaagggaca tttaggccgg gcgcgggtggc tcacatctgt 180
aaccctagca ctctgggagg ctgaggtggg tggatcatga agtcaagaga tagagaccat 240
cctggcaaaa attagctggg cgtggtgggg tgcgccgta gtcccagcta ctccgggaggc 300
tgaggcagga gaattgcttg agcccgggag gcggaggttt cattgagccg agatagtgcc 360
actgcactcc agcctggaca acagagcgag actgtgtctt 400

<210> 51
<211> 562
<212> DNA
<213> Homo sapiens

<400> 51
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tagatgtgca gatggaatga agagaaggtc tcaagaagag ggtggagcca aagagggctg 120
cagattttaga aggctaaagt ctttagatgg ctttgatag cctgttgat ctggaccat 180
gcaggttaca gtggagcatg gagtggggac agaagtgag gaaggaacca ggaacatgg 240
agtgagaagc taaaggaaa tgatgcagta gatacatggc tctaaagtac tcaggacttt 300
cagaggctta aacatagggt gaccaactat cccactatgc ctgatactaa gggcattccc 360
tggatgtgga cttttcattc cccaaattag gaaagtcttg ggcataccaa gacaagttgg 420
ccaccctact caaaagtatg taagctaaca tatctgttct ctaagaggtt aaagctggat 480
ggggatacca gatgtatgta cgtgatgcag ttaaacagca atacaagggg gcaagtctac 540
ctgatcggcc aattcaatgg ga 562

<210> 52
<211> 630
<212> DNA
<213> Homo sapiens

<400> 52
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aatcagtggt ttttaagaagt tagaataatg attatcttg gagggattgc aactggaaga 120
agtcatgatt gggatttctg ggtcctaata gtgctctgtg tcttgatctg agtgcggact 180

acatgagtgg	ttaggtttgc	aaaattcatt	gagttatgca	cttaatggtg	ttgtcttatt	240
agagctgatg	gaggagagag	ggcttcaatt	tgacacaactg	agtaatcagc	taggccagct	300
cactaggtga	acaacttact	gctccaatca	gccttagagc	aggaatcaaa	ctcatgtctc	360
agaaaagtta	ttaattcagc	ttgtcttggg	acttccttca	gagtcactct	tgaatagctg	420
aaatagtaaa	tgttaaatct	gtggatgcaa	gtgtgtaaat	tattttagtc	atcagctcta	480
ataagatggc	ctttggggaa	atgagtataa	ggtcacgaaa	atgaaatggc	aagaaggagg	540
tctactattt	cttctgtaat	actgattttt	accccatcag	ggtcagctcc	cagagggtgt	600
aaatgtgaag	cttgtctttt	tctttaataa				630

<210> 53
 <211> 685
 <212> DNA
 <213> Homo sapiens

<400> 53	ctttggacac	taggaaaaaa	cctttagag	agagtaaaaa	atttaacacc	catagtaggc	60
	ctaaaagcag	ccaccaatta	agaaagcggt	caagctcaac	accactacc	taaaaaatcc	120
	caaacatata	actgaactcc	tcacacccaa	ttggaccaat	ctatcaccct	atagaagaac	180
	taatgttagt	ataagtaaca	tgaaaacatt	ctcctccgca	taagcctgcg	tcagattaaa	240
	acactgaact	gacaattaac	agccaatat	ctacaatcaa	ccaacaagtc	attattacc	300
	tcactgtcaa	cccaacacag	gcatgctcat	aaggaaaggt	taaaaaaagt	aaaaggaact	360
	cggcaaatct	taccccgctt	gtttacaaaa	aacatcacct	ctagcatcac	cagtattaga	420
	ggcaccgcct	gcccagtgac	acatgtttaa	cggccgcggt	accctaaccg	tgcaaaaggta	480
	gcataatcac	ttgttcctta	attaggagacc	tgtatgaatg	gctccacgag	ggttcagctg	540
	tctcttactt	ttaaccagtg	aaattgacct	gcccgtagag	aggcgggcat	aacacagcaa	600
	gacgagaaga	ccctatggag	ctttaattta	ttaatgcaaa	cagtcctaac	aaaccccagg	660
	tcctaaactc	caaactcgca	ttaaa				685

<210> 54
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 54	cgaccgggaa	ttcgcgccg	cgctcgactga	gttcttgaca	agagtgtttt	tcccttcccg	60
	tcacagagtg	ggcccaacga	cctacggcac	tttgaccccg	agtttaccga	agagcctgtc	120
	cccaactcca	ttggcaagtc	ccctgacagc	gtcctcgta	cagccagcgt	caaggaagct	180
	gccgaggctt	tcttaggctt	ttcctatgcg	cctcccacgg	actctttcct	ctgaaccctg	240
	ttagggcttg	gttttaaagg	attttatgtg	tgtttccgaa	tgtttttagt	agccttttgg	300

tggaagccgc	agctgacagg	acatcttaca	agagaatttg	cacatctctg	gaagcttagc	360
aatcttattg	cacactgttc	gctggaagct	tttgaagag	cacattctcc	tcagtgagct	420
catgagggtt	tcatttttat	tcttccttcc	aacgtgtgtc	tatctctgaa	acgagcgtaa	480
gagtgccgcc	ttagacggag	gcaggagttt	cgttagaaga	cggacgctgt	tct	533

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<210> 55
<211> 523
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

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<400> 55	gaatccctag	aaaaagagaa	ttcccaactt	gatgaggaaa	acttagaact	gcgaaggaat	60
	gtagaatctt	tgaagtgtgc	aagcatgaaa	atggctcagc	tacagctaga	aaacaaagaa	120
	ctggaaagtg	aaaaagagca	acttaagaag	ggtttgagc	tcctgaaagc	atctttcaag	180
	aaaacagaac	gcttagaagt	tagctaccag	ggtttagata	tagaaaatca	aagactgcaa	240
	aaaactttag	agaacagcaa	taaaaaaatc	cagcaattag	agagtgaact	acaagactta	300
	gagatggaaa	atcaaacatt	gcagaaaaac	ctagaagaac	taaaaatatc	tagcaaaaga	360
	ctagaacagc	tggaaaaaga	aaataaatca	ttagagcaag	agactttctc	actggaaaag	420
	gataagaaac	aattggagaa	ggaaaaataag	agactccgac	ancaagcaga	aattaaagat	480
	ccacatttga	agaaaaataa	gtgaagattg	gaaatttgga	aaa		523

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<210> 56
<211> 566
<212> DNA
<213> Homo sapiens

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<400> 56	ctttgaagaa	ctttgccaaa	tacttttcta	ccaatctcat	gaggagaggg	aacatgctga	60
	gaaactgatg	aagctgcaga	accaacgagg	tgccccaatc	ttccttcagg	atatcaagaa	120
	accagactgt	gatgactggg	agagcgggct	gaatgcaatg	gagtggtcat	tacatttgga	180
	aaaaaatgtg	aatcagtcac	tactggaaact	gcacaaaact	gccactgaca	aaaatgacct	240
	ccatttgtgt	gacttcattg	agacacatta	cctgaatgag	cagggtgaaag	ccatcaagaa	300
	attgggtgac	cacgtgacca	acttgcgcaa	gatgggagcg	cccgaatctg	gcttggcgga	360
	atatctcttt	gacaagcaca	ccctgggaga	cagtgataat	gaaagctaag	cctcgggcta	420
	atttcccat	agccgtgggg	tgacttcctt	ggtcaccaag	gcagtgcatg	catgttgggg	480
	tttcttttac	cttttctata	agttgtacca	aaacatccac	ttaagtctct	tgatttgtcc	540

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566

<210> 57
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<400> 57
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atcatgtgcc cagacctaag gtcaggaatg tcataatttt ctgttaaaat cattttattt 120
ctgtgtatct tacctttaaa tcatttggtt ttactctgag attctgtagt cctaataattg 180
tatcattgtg ctgtctgcaa aacaacttga atctattttt ttgtcatctt ttgttcatg 240
taacgcagct gtactttatg ttctttgcaa ctgtttccat tatgagaacg ctgtgctatt 300
tacaaggta catttttctt ggccaggcga ggtggtcatg cctgtgatcc cagcactttg 360
ggaggccaag gtgggaggat cacttgaggt aaagagttga gaccagctg gctagcatgg 420
cgaagcccag tcttactaaa aaatacaaaa attggccggg tgaaattagc cgggcgtggt 480
ggtgtgtgct tgtaatccca gctactcggg aggtcagggc aggagaatcg cttgaatccg 540
ggaggcagag gttgcagtga gccaaagtca ngccactgca ctccacctcg gggtaagag 600
cgaaactctg tctcaa 616

<210> 58
<211> 598
<212> DNA
<213> Homo sapiens

<400> 58
ccgttttagt caggatggtc tcgatctcct gacctcgtga tccgcctgcc tcggcctccc 60
aaagtgtcgg gattacagcg gtgagccacc gcgcccgcg taaatcaggt tttttaaatg 120
tttgccaaac cttatcactg acttttataa caaaattatt tactataatc attagggaat 180
atttaagttc tgctaatact taaaattgca gagtgtctaaa accagcagtg agtttagaat 240
caagctaagc ttatttgggt ctactatttg aggcataatta gttgactggt gttcatatgc 300
aaggcagctt actgggtgca acaagggtta gaaggaatatt tttaaaaaac tgaccttatt 360
ctcaggatga aaataatata ctagtaatag tctgctctgt tggttaactc ctcgtaagga 420
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agcaggatca agaagacttt tatagaaata tacaaaatct tcacttcttg aaggattggt 540
aaaatttaat agccaacatt gggcacttat tcattctctg agtaaatatt tattgcac 598

<210> 59
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 59
 cttaaatcta aatggaccac attctctact taaaaaaatg ctattaacca tgtgatcttc 60
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 tagagtaaaa cagtgtttct aggctgggag acaccagaca tagttgagga cagaggtgct 180
 agaaaatagg aagtttataa gcatgtgcgg tgatgctcag aggaggtaaa cccacccctc 240
 atgctcatag cttccaatca ttttctctag ttcttaactc ttaaatgtga gaaatgcttg 300
 aagattacta gtcattctgaa gaaagtctct ttattaaaga ttttcataaa agagacaaa 360
 gcagacaaa agaaaaagac atcttgggga aaaaaacaag gataatggga agagaaggaa 420
 agttttataa attatcaata tcctcagggg gacaaaatat tatatcctat aaagacagat 480
 ttttattttt taaaaaata gaaagcaaaa caagctccta aaaa 524

<210> 60
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 60
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 cgaaggcttt aaaggccaag aaggcagtg tgaagggtg ccacagccac aaaaagaagg 120
 agatccgcac gtcaccacc ttccggcggc cgaagacact gcgactccgg agacagccca 180
 aatatcctcg gaagagcgtc ccaggagaa acaagcttga ccactatgct atcatcaagt 240
 ttccgctgac cactgagtct gccatgaaga agatagaaga caacaacaca ctgtgttca 300
 ttgtggatgt taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca 360
 ttgatgtggc caaggccaac accctgattc ggcctgatgg agagaagaag gcatatgttc 420
 gactggctcc tgattacgat gctttggatg ttgccaacaa aattgggac atttaaactg 480
 agtccagctg cctaattctg aatatatata tatatatata tcttttcacc ataa 534

<210> 61
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 61
 ggggagcccc ctcttccctc agttgttcct actcagactg ttgcactcta aacctaggga 60
 ggttgaagaa tgagaccctt aggttttaac acgaatcctg acaccacat ctatagggtc 120
 ccaacttggc tattgtaggc aaccttccct ctctccttgg tgaagaacat cccaagccag 180
 aaagaagtta actacagtgt tttcctttgc accgatcccc accccaattc aatccccgaa 240

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gggacttact taggaaaccc ttctttacta gatatcctgg cccctgggc ttgtgaacac 300
ctcttagcca catcactaca gtacagttag tgacccagc ctcctgccta cccaagatg 360
cccccccca ccttagcctg gctaactgtg tgtacatata tattctacat atatgtatat 420
taaaactgca ctgccatgtc tgcccttttt tgtggtgtct agcattaact tattgtctag 480
gccaaagcgg ggggtggagg ggaatgccac ag 512

```

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<210> 62
<211> 642
<212> DNA
<213> Homo sapiens

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```

<400> 62
ttttggcatt acttaatacca attataaaaa ctgaattttt aaaaacagc acttgttttt 60
tcttccaaga ttaatttgaa tttttttatg gacattagaa aacattgcag tttagtcata 120
atcaaaaata aatcttgagg ctggttagagc agctttgttg ctgtttatat ttttattgct 180
tactggattt cagtgttacc tagtgccatc agtttggtat ttggccacct tgcacattca 240
gtgatgtttg atttttcttt ttcccttttt tcatattact tttaaatcct gaatagtgtg 300
tggcagctgg agatcaccta gtccaccact gtccaacatg gcaatggtaa gtaatattga 360
gtaaagaata gaaaattagt aaaatgcatg gcttcagaat tatagcaatt tgcaaaatag 420
gttaatggat gaaaattaga atgaccagtt taactttccc ccagcagat tcttctgtta 480
aacaatgccc cttcaaaaaa aaggaagaac aagtgggtgt tatacctatg ttatttggct 540
atgttagcac aatatgatgg actaatttga gaaaaagcat ttacttcctt tactattact 600
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<210> 63
<211> 446
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

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<400> 63
gaagaagcgc gaagagccgt tagtcatgcc ggtgtggtgg cggcggcgga gactgcgggc 60
ccgtagctgg gctctgcgag gtgcaagaaa gcctttgagg tgaagggtga tgaaagtcac 120
cataacagat gttttccaaa aacttgtaga aggttggtgaa aaaactacta ggcacacgcg 180
gcatgtattg agcatatagg ttgctgtaga tgaatgttct tagctgtcat gtttaaaaat 240
acttctgctt cgttacctca agtgtggcat gcagcatttt ggaaggaaaa ttgaagacgt 300
gttcaagaaa acatgaacag aagcaaatga tgaaaatgag cattttactt gatgttgata 360

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acatcacaat aaattatgga gaaaaataca tatttggcta acttttaatt gctgaacaat 420
aaagtgtttt cttttaaatc naaaaa 446

<210> 64
<211> 629
<212> DNA
<213> Homo sapiens

<400> 64
gaagccaaac caaaggggagc ttctacttca tgatgccatt tatgtaaagt tcaggcagag 60
aaaaatcagtg gtttaagaag ttagaataat gattatcttt ggaggggattg caactggaag 120
aagtcagatg tgggattttc gggtcctaata agtgctctgt gtcttgatct gagtgccgac 180
tacatgagtg gttaggtttg caaaattcat tgagttatgc acttaatggt gttgtcttat 240
tagagctgat ggaggagaga gggcttcaat ttgcacaact gagtaatcag cttaggccag 300
tcactaggtg aacaacttac tgctaccaat cagccttaga gcaggaaatca aactcatgtc 360
tcagaaaagt tattaattca gcttgtcttg ggacttcctt cagagtcact ctgaaatagc 420
tgaaatagta aatgttaaat ctgtggatgc aagtgtgtaa attattttag tcactcagctc 480
taataagatg gcccttgggg aaatgagtat aaggtcacga aaatgaaatg gcaagaagga 540
ggcttactat ttcttctgta atactgattt ttaccccatc agggtcagtc cccaaagggt 600
gtaaatgtga agcttgggtc ttttcttta 629

<210> 65
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 65
gaccctattc tcaggatgaa aataatacac tagtaatagt ctgctctgtt gggttaactcc 60

tcgtaaggag gtacaattaa aatgctgtag tgttgcaagg gaaggagagg aagaatcata	120
ttccttctact agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttcttg	180
aaggattggt aaaatttaatt agccaacatt gggcacttat tcattctctg agtaaatatt	240
tattgcatgc ttattcttga tcaacattgn gatgaaagcn caagaatgaa agaggagggg	300
gaatgtttan agaataaggc tgaaacacag atttttagg gagcgtaggg gagactgana	360
aaacag	366

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<210> 66
<211> 202
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

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<400> 66	
aagacacctg atagattgtc ttgtattatt tttcctttgc cttcttacaa tctcagtgat	60
tagaattggg ctgaaaacaa tacatcaaat tctcagcaaa atccttatgg gttgctggat	120
accgagggtt ttttaagatct ttagacttca ctatatagaa caaatgttga atgggaattt	180
tcctttatttc tatancgttt ng	202

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<210> 67
<211> 634
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t

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<400> 67	
cccggaaatcg cggccgcgtc gacgatgagc attttttcat gtgtcttttg gctgcataaa	60
tgctcttctt tgagaagtgt cggttcatat cctttgccca ctttttgatg ggggtgtttt	120
tttcttgtaa atttgtttga gttcattgta gattctggat attagccctt tgtcagatga	180
gtagggttgcg aaaattttct cccattttgt aggttgccgt ttcactctga tggtagtttc	240
atttgctgtg cagaagctct ttagtttaat tagatcccat ttgtcaattt tggcttttgt	300
tgccattgct tttgggtgtt tagacttgaa gtccttgccc atgcctatgt cctgaatggt	360
aatgcctagg ttttcttcta ggggtttgat ggttttaggt ctaacgttcc agtctttaat	420

ccatctttta aaagtctctt cacagtacat gagtagtagt gacaccaata atgtcagagc	480
aggggaactcc caggttctgc ccatccacaa aaacaacaaa taagctggca aaaactttaa	540
gaatcaactt ttgcagatct ctgaaatcta gtcaaaactt aaacagagga aagattaata	600
aagacnggct gcctgagata acactaacac acac	634

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<210> 68
<211> 644
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

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<400> 68	
catcaataa ataaataaat aaattttaaa agtcacagca ttgaattttt aaatgtttgg	60
gatgataaag cacctgctta tcatgaagct anagaaattc aatgacacgt ttgccaggggt	120
ctttgctagt gatgttgaa caagtctgta atgctgatga aacatcactg ttccgggcatt	180
attgccccag aaagacactg actgcagctg atgaaacagc cttccaaga attaaggatg	240
ccaaagacca aataactgtg ctgagatata cttacgcagc aggcattgcat aagtgtaaac	300
ttgctgttat aagcaaaaagc ttgcgttctc actgttttca aggagtgaat ttcataccaa	360
tccattatta tgctaataaa aaggcatgga tcaccaggga catcttttca gattgggttc	420
acaacattt tgtaccagca gcttgtgctt actgcaggga agctgactgg atgatgactg	480
caagattttg ttatatctta acaactgttg tgctcatcct ccagctgaaa ttctcatcaa	540
aaataatgtt tatggctcac acctgtaatc tcaacacttt gggaggattg cctgaccag	600
gagttcaagc ccacctggg caacacagca agaccaacc tntc	644

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<210> 69
<211> 651
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

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<400> 69	
ttttaaaat cataaaacgt ttcttataaa agagcattac attntgcaca ctgctctgaa	60

cagatgccag ggacatgtgg actattgtta ctttccctcc ctgtcccacc ccccaaatgt	120
tacatgtacc acaaaagcaag gtgttcacaa taattacatg gggggaattt tttaaaccac	180
caacaataac gaaaaataaa atccactcac tctgtctgtg tttcaaaatt tcaatgttag	240
tttttgcacg cccttcccc cccaaccct gtttgaagg aactaaaaca ttacatctgg	300
tgaacagcaa agatttctact acacctcaaa tgcagaacac ctatgaagca gaggaatggt	360
ggctttttaa acagaagcag ataaaaaaaa aagatgcagg actccttcag ttcttctacta	420
gtcttagaaa aactttccag aatactgctt cacactataa aaaagaaaaa atatcttgca	480
ttagaatcct tcaacatctg catactgctt cacactgttc gtttctagga gcactttgtc	540
acaggacact tctgcttata tttctttaat cagaacttag ttggatgggc cgggcatggt	600
ggctcacgcc tgtaatccca gcactttggg aggccgaggg ggtggatcac c	651

<210> 70
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (684)..(684)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (707)..(707)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (709)..(709)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (713)..(713)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (723)..(723)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (734)..(734)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (746)..(746)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

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<222> (748)..(748)
<223> n is a, c, g, or t

<400> 70
ccatctccaa atttagtatt cattctgttt agcatattat cagttgccat ctatttgttt    60
taactgatta ctggaatctg attaaacatc acagaaatgg gctttgataa gaacaatatt    120
gaataagaaa ttttaataaa caaaacagct tatagaaaaa ttcagcataa cttttccatc    180
accttcacca cccttgccct ttattatcct gtctgtatc actgtttct gttagcagtg    240
ttgtgtgagt taggatttgg gcaggaaagc aaaagcaacc acccgtcatt ttcccagaat    300
gaagggtttg acgtaggatg tagactttgt atagtagttg ggagagctgt gggagtgaag    360
gtcagggatg tcacctacag aagtcaggga atctgccacc agagatcctg catcagaaac    420
agccaacagc gtgcttctga agaactagtg gggaaagtgg tataattctt aggaatccca    480
gcaagtccgc accactgtct cagtctacag cagtggagaa aggggtttcc aggagctctc    540
tggaaggttc ctgcccacac ttgcaacaa tcttcagagg ataatgggct tctcttccag    600
cttcacacc caacaagagt gcctttcatc ggccaactct aacctggaac cctatggcag    660
aggggattta ggagacagtt tgnatgtct gtggaatgca aatgaanang tancaatgct    720
tanttgacag cggncatata caaatntnga aa                                752

<210> 71
<211> 12
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<400> 71
gatccgtnga ct                                12

<210> 72
<211> 505
<212> DNA
<213> Homo sapiens

<400> 72
ctcttcccag cccctgagcc cagcccttc ccaagtgggt ccagacaaaa aactacatgg    60
cccttctgtg tcttgggggt ggaaaggagg ggaatgaattg gggatgataa accctgggtga    120
attcagagta atctttcttt agaaaactgg tgttttctaa agaaacagga taggagttta    180
gagaaggcac caaagctttc actttggttt ggcaccagtt tctaaccatc tgtttttct    240
accctagcta tcttttattg gtaaaatata aatgtataat tatgtttgta gagctttacc    300
aaggagtttc ctcctctttt tgtttgttga ttagcaaatt tttgattctc cattttccaa    360

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aagtaagaga ctccagcatg gccttctggt	tgccccgcag taaagtaact tccatataaa	420
atggtatttg aaagtgcagag ttcattgacaa	cagaccgttt tccatttcat ctgtatttta	480
tctccgtgac tccacttggt	ggttt	505

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<210> 73
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

```

<400> 73		
tggagctgaa aaattcctat tacctagggg	catcacaacg cattgcattt cgcccgtggt	60
tgggatgatg ctggtgtaaa cttactatgc	tgccagtcatt gtaaaagtat agcacacaca	120
attagtaggt aatgcttgca aataataatg	aaagactctg ctactggttt atgtatttac	180
tatgctatac tttttgtcat tacttttagag	tgtactccta cttttttttt tttttttttt	240
gagatggagt ttcactcttg tcctgtaggc	tggagcgaaan tggcgcgatc tcggcttact	300
gcaacctcca ctcctctgggt tcaagcgatt	ctcctgcctc ancttcccag agtagctgag	360
attacaggca tgcaccgccca cgcacgggta	attttgtatt ttggtagag acaggggttc	420
accatgttgg ccaggctggt caccaactcc	tgacctcagg tgaccgcct cctcacctcc	480
agagtgttgg gattacaggn gtgag		505

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<210> 74
<211> 580
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (552)..(552)
<223> n is a, c, g, or t

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<400> 74		
ataaaaaatta gctgggggtg atgggccctg	taccccagct actcgggagg tgaggtagga	60
gaatcacttg aacccgggag atggaggttg	cagtgagcca agatcgtgcc actgcactcc	120

agcctgtgtg	acagaacaag	actctgtctc	aaaaaaaaat	aataataata	ataataataa	180
aaaggaataa	catagctagg	ataaaattta	atcaaaagg	tgaaagactt	atacacttaa	240
aactacaaaa	aaaaaatcac	tgaaggaatt	atagacccaa	ataaaaataa	ataaaaagac	300
attctgtgtt	ttaggggaa	aagactta	attgttaaga	tgtcaatact	acccaaagt	360
atctacagat	tcaacataat	ccctatcaaa	attccaacag	cctactttgt	agaaatggaa	420
aagccaattt	tcaaatcag	atggaattgc	gaggggttct	gaataacaaa	acacaatctt	480
ggggaaaaaa	aacaaaaaac	aaagtcaag	aactcacact	tctctattta	taatttacta	540
caaagttata	gnatcaaa	cgacgcgcg	cgatccgggc			580

<210> 75
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 75	cacagtactc	cattttgggg	tccaaactgt	aatgctcaa	ataataaatg	cttacacgaa	60
	aattatttat	tgagaatatt	catataaaaa	ttacctaaag	caaagtaaaa	aaagtaaaat	120
	caagggtgta	tatttgaagt	gaatggtgat	tggaattttt	tagctgtaac	aaaaagaaag	180
	aaaacaactt	tttttaaagc	ctcattctct	tttctttcaa	aatgtacctt	attcccacac	240
	actcttgggc	tgacctttat	tttatcaata	agctcaatat	tactttgttt	aaaataagat	300
	gcttcagcaa	aagtcattct	ctctttaacc	atataattta	aaaactcctc	ttcacgattg	360
	atagcaaaat	cagaaacgtt	agggcaccag	tgagttgaaa	aaactggtct	taagttggaa	420
	aaactattat	taataatatt	atcctatcca	tccatattcta	ttgaaattgt	caggtccata	480
	atttcatttt	aattaattat	aggaaagaag	aaaagataat	acccatttgt	tctat	535

<210> 76
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (497)..(497)
 <223> n is a, c, g, or t

<400> 76

ctcagactct tctgccccta atggccatta ctatccagtc tgtattgcta caagggaccc	60
actggtaccc cttttatgatt ctatcaaaag gaacagggtt ttcctagagg caggcagcct	120
ggtggtatgg cacagcagaa gcttactgct aatgaaatgg gaacctcccc ctcccttggt	180
gtttcagcac agaacctgaa tgccaggaaa aattcctggg ccaagaagct aaagctaaag	240
aaaccttcct tttttcaacg ttttttttc tttcaaaactg taggggtcact tttgattgag	300
gcaaaggggt cctactgtaa gtggaaaaga ctactctccc taacataagt tttcactgtg	360
gtgggatggt gccgccgat atgcttgata tgcttttcct tccacatgtt aagctaggaa	420
acctaacagg atgtcagcag ggcagttaac tctggactca nagccctcaa gggcatgtgg	480
canaacctca tggcatncaa gacca	505

<210> 77
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (575)..(575)
 <223> n is a, c, g, or t

<400> 77 gtataattga tctttttgaa cctaaagtat aagacttcac gattagaaaa aaattatcca	60
aagactaatg taattaagtg aggaaaagggt gctggaggaa ctggataacc acatggaaat	120
gtatgaacca tgacctctat gtcacatact atatataaaa cttaatttga ggtgtatcac	180
agagctaact gtgggggcta aaacgttgaa gcctttggat ggccgcacaa gagatgtctg	240
cattcataac cttggggagg gtatgaacat ttcttggtaa catgcaaaaa gcataactg	300
taaaagagaa cagttggcta gttgaatttc atgaaacatt gtaaaactct gctaacaac	360
tgacaccatt aagaatgtgg aaaaaggctg ggcacagtgg ctcatgccta taatcccagc	420
attttgggag gccggggcgg gagaatcact tgaggccagg agtttgaac cagcctgggc	480
aacatggcaa gaccccgact ctacaaaaat atttttaaaa attagttggg tgtggtgatg	540
cactcctgta gtcctagtgc ccaggangct aaggnggaag gatcacttaa ccctgg	596

<210> 78
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 78 ctggtggcgg cggtcgtgcg gacgcaaaca tgcagatctt tgtgaagacc ctactggca	60
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aaaccatcac ccttgaggtc gagcccagtg acaccattga gaatgtcaaa gccaaaattc	120
aagacaagga gggatatcca cctgaccagc agcgtctgat atttgccggc aaacagctgg	180
aggatggcgc cactctctca gactacaaca tccagaaaga gtccaccctg cacctgggtgt	240
tgcgctgcg aggtggcatt attgagcctt ctctccgcca gcttgcccg aaatacaact	300
gcgacaagat gatctgccgc aagtgcctatg ctgccttca ccctcgtgct gtcaactgcc	360
gcaagaagaa gtgtggtcac accaacaacc tgcgtcccaa gaagaaggtc aaataagggtt	420
gttcttttct tgaaggcgag cctcctgccc aggccccgtg gccctggagc ctcaataaag	480
tgcccccttc attgactgga gcag	504

<210> 79
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 79	
gcaggggctt ctgctgaggg ggcaggcgga gcttgaggaa acccgcagat aagttttttt	60
ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag	120
atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaat	180
atgaagactt agaagagtag catgaggaag gaaaagataa aaggtttcta aaacatgacg	240
gagggtgaga tgaagcttct tcatggagta aaaaatgtat ttaaagaaa attgagagaa	300
aggactacag agccccgaat taataccaat agaagggcaa tgctttttaga ttaaaatgaa	360
ggtgacttaa acagcttaaa gtttagttta aaagttgtag gtgattaaaa taatttgaag	420
gcgatctttt aaaaagagat taaccgaag gtgattaaaa gaccttgaaa tccatgacgc	480
agggagaatt gcgtcattta aagcctagtt aacgcattta ctaaacgcag accaaaaatgg	540
aaagattaat tgggagtggg agga	564

<210> 80
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 80	
cccggaaatcg cggccgcgtc gacgggaggt gatagcattg ctttcgtgta aattatgtaa	60
tgcaaaattt ttttaattct cgcccttaata cttttttatt ttgttttatt ttgaatgatg	120
agccttcgtg ccccccttc cccctttttt gtcccccaac ttgagatgta tgaaggcttt	180
tggtctccct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttgagacca	240
gttgataaaa agtgacacac ttataaaaaa	270

<210> 81
 <211> 268

<212> DNA
 <213> Homo sapiens

 <400> 81
 cccggaatcg cggccgcgtc gacgggaggt gatagcattg ctttcgtgta aattatgtaa 60
 tgcaaaattt ttttaattct cgccctaata cttttttatt ttgttttatt ttgaatgatg 120
 agccttcgtg ccccccttc cccctttttt gtcccccac ttgagatgta tgaaggcctt 180
 tggctctccct gggagtggtt ggaggcagcc agggccttacc tgtacactga cttgagacca 240
 gttgaataaa agtgcacacc ttataaaa 268

 <210> 82
 <211> 334
 <212> DNA
 <213> Homo sapiens

 <400> 82
 cttcatttga aatgggttga tctgctgtgt aataaagtgg ttcaaccatg attaggaact 60
 gaaatttagt agaagagggg aaaggagtta atgtaacaaa ttatttttagc tacaaccccc 120
 ggtaatatag cacttggggg atgggatggg gtgggttggt gagacaatca gaatggtaaa 180
 ttgattaaat gtccttaacc ctgtaatttt gtgcatagag caccctatgc tgtggaaata 240
 actgttctta gatttcattg taactggact gtccaggttg cccagagggg aagaacattc 300
 ctaattctaa taaaataaac ttttattttg tttta 334

 <210> 83
 <211> 675
 <212> DNA
 <213> Homo sapiens

 <400> 83
 tgtcattgaa tctgcttggt acttaaatgc taaactcaat tctgtaattc aatagggtgca 60
 cctctctgag aaacataaga gacaatgagg aaaaggattc agcattccgt ggaatttgta 120
 ccatgatcag tgtgaatccc agtggcgtaa tccaagtaag atgttcacaa agatttgttt 180
 ttaatgtcta attaataaaa ttttaaggga agaaacattc taatacttta attataaaaa 240
 gttactattt ttcaaaggta tcaaaatata gttaaacctt taaaatgtat atttcttaat 300
 atcttgaaat tgtaatgcct ttttttttct ctaaattttt ttgtcatga aatgagatag 360
 taacagcaga ttgggacaca aagggttatat tcttgtcttg aatcaggcca tggcttcttt 420
 catccaaatt tcagacctca tttatttact ttgtccctgc ctcccatccc tggatatcag 480
 tttgtggata tctacagtta atagagtgc caaatagtag gaatactgtc tctctattct 540
 gaataaaatc tttgaatcag atttagaaat aatgaataaa atacaatca gccattgaaa 600
 ttgctctaatt tttgagagct tatgatttat tcatctttgg ttccaagtt caagttatat 660
 gtagacattt taatt 675

<210> 84
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (223)..(223)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (297)..(297)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (302)..(302)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (337)..(337)
 <223> n is a, c, g, or t

<400> 84	
gtttcctagg tgaggtcacg aggaaacctg ctggccaagt gacctggcag ggtgtggcca	60
gtgtggccag ggcgcgcgag cctgctttcc ttccctgcag caggaacctc tctggggctg	120
tgatcctgcg atgggtgcctg ggtgggagtg ggggtggggg gcgggatggt ctccctacct	180
gccagcttct tggtttgagg tgaggacagc cccggaagct canacttggc tcctgtccat	240
gtacttgggg ccatgagctc tgcagggacc ttggaaagan agagacgggt ggtgtanggc	300
angggaaggc attgtcttca aacaggaaaa agctganaat ggaaacaggc gaaacttacc	360
aagtgtaaaca tcacctgaa ctaagaggag gtgggaaggt tttaattatt ttaaaaatag	420
agatggggtc tcactatgtt gcccaggctg gtctcaaact actgggctca agtgaacctc	480
cttct	485

<210> 85
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (105)..(105)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (169)..(169)
 <223> n is a, c, g, or t

<400> 85
 tgtttctcna gggcgagagg ctgtcttana gcaccattct ctggccctng tcccatgaga 60
 aggaaccgca ctcaggagcc acactctccc actncccttg ccanaagac tcacagaggg 120
 caccgagctg gctgtggtga gaggaggtcc ancaaattcc tgtctgcana agggttctga 180
 acaccaccgc ctggcagcgt gctggaggag ggattcctct tttctctaca gcaattctga 240
 ccagaaacct gtcaaatcag gaatggctaa aataagacca gggatgaat gaccatcagc 300
 cacagtaaaa ccaaggcaca gctctctga gccacccaa gctgctgtgg ccagactgg 360
 tgacatcacc tcaggggcaa aaaaaaa 387

<210> 86
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 86
 cgcagaatgg ctccgcgaaa gaaggggtggc gagaagaaaa agggccgttc tgccatcaac 60
 gaagtggtaa cccgagaata caccatcaac attcacaagc gcatccatgg agtgggcttc 120
 aagaagcgtg cacctcgggc actcaaagag attcggaaat ttgcatgaa ggagatggga 180
 actccagatg tgcgattga caccaggctc aacaaagctg tctgggcaa aggaataagg 240
 aatgtgccat accgaatccg tgtgcggctg tccagaaaac gtaatgagga tgaagattca 300
 ccaataaagc tatatacttt ggttacctat gtacctgtta ccactttcaa aaatctacag 360
 acagtcaatg tggatgagaa ctaatcgctg atcgtcagat caaataaagt tataaaattg 420

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<210> 87
<211> 675
<212> DNA
<213> Homo sapiens

<400> 87
ggaaactgat gccagtcaga aactcagatc aaatgaaggg gtgaagagaa ccagaattga      60
tctctctgta ggagaatata aatgactttt ttaaagtaca tttttctgt gaaagacagt      120
ttttgttta atgcacaaatg gttacaatg tttatatcat gtagaagtaa aagatcgtga      180
aacagcacag agaacagtag taagacagat tgaattgcac tgttgtaaga tgatgaactt      240
acaatatata gtgaaggtag actgtgatag attaaggata tatattgtaa tccctagagc      300
aattgtcaaa gtggtacagg taaaaagcca atagagggtga taaaatggaa tactaaaaaa      360
tatcagatga ataataaaga agacaggaaa tgaggaacag tggaacagaa tgaataaaaa      420
acaagaccat taacttaatc attaataatt actttaaatg ggttaacat tatgtgtata      480
aggcagagat tttcagacta gataaaagag caagctccac tatatactgt ctacaagaga      540
tatactttaa agtgtatatat atattttaat ataaagattt ggaataaata aacctaaaga      600
taagcttact agggaagtga aagatctgta caacaagaat tacaaaacac tgctgaacga      660
aatcataggt gacca                                           675

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<210> 88
<211> 594
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (529)..(529)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (542)..(542)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

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<400> 88
gtcccggaat cgcggccgcg tcgacgtttc ctcaaaattt atcttcctgt taatgtcagg      60
catgtatctc cttagcttgc cacaaataac tatatatacc acagaccttc cttttagagg      120
ctaacagtgt tgcattgtaa ttggaggcct catagatacc tggccttttc ctaccttatt      180
ccaaagatgg ttgcatctta taaataatgt cattcttcag caaatggtat ggaaatgaga      240
ttgtaatgtc attatttcct ctttaataaa tcaggacaac tcatgatata aagagctctt      300

```

ctctataaaa ggtgggactt ttttttttag taatagcaaa aataaaattg tacctcctta	360
atcttctaca gaaagatgga ttctattttc aacattaaga ggtagtttta agaagcagta	420
gaagtcagcc tgggcagcat ggtgaaaccc cgtctctaca aaaaagtttag ctgggcttag	480
tagttgcaat ccagctact ctggaggctg aggttgagga tcattctganc ctggggaggt	540
cnaggctgca atgatacant gagccctgat tgtgccactc cacctggttg caga	594

<210> 89
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 89	
ttccaatctt cgtgttctact ttaagaacac tcgtgaaact gctcaggcca tcaagggtat	60
gcatatacga aaagccacga agtatctgaa agatgtcact ttacagaaac agtgtgtacc	120
attccgagct tacaatggtg gagttggcag gtgtgcgcag gccaaagcaat ggggctggac	180
acaaggctcg tggcccaaaa agagtgtctga atttttgctg cacatgctta aaaacgcaga	240
gagtaatgct gaacttaagg gtttagatgt agattctctg gtcattgagc atatccaagt	300
gaacaaagca cctaagatgc gccgccggac ctacagagct catggtcgga ttaaccata	360
catgagctct cctgcccata ttgagatgat ccttacggaa aaggaacaga ttgttcctaa	420
accagaagag gaggttgccc agaagaaaaa gatatcccag aagaaactga agaaacaaaa	480
acttatggca cgggagtaaa ttcagcatta aaataaatgt aattaaaagg	530

<210> 90
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 90	
tgccagatcc gtcgactcta gataacatgg ctagaaaaga gaatgaaaaa gttggaattt	60
ttaattgcc a tggtatgggg ggtaatcagg ttttctctta tactgccaac aaagaaatta	120
gaacagatga cctttgcttg gatgtttcca aacttaatgg ccaggttaca atgctcaaat	180
gccaccacct aaaaggcaac caactctggg agtatgacct agtgaatta accctgcagc	240
atgtgaacag taatcagtgc ctggataaag ccacagaaga ggatagccag gtgccacgca	300
ttagagactg caatggaagt cgggccagc agtggcttct tcgaaacgtc accctgccag	360
aaatattctg agaccaaaatt t	381

<210> 91
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 91

cacagtactc ctttttgggg tccaaactgt aatgctcaaa ataataaatg cttacacgaa	60
aattattttat tgagaatat catataaaaa ttacctaag caaagtaaaa aaagtaaaat	120
caaggtggta tatttgaagt gaatggtgat tggaaat tttt tagctgtaac aaaaagaag	180
aaaacaactt tttttaagc ctcatctct tttctttcaa aatgtacctt attccacac	240
actcttgggc tgacctttat tttatcaata agctcaatat tactttgttt aaaataagat	300
gttcagcaa aagtcattct ctctttaacc atataat ttaaaaactctc ttcacgattg	360
atagcaaaat cagaaacgtt agggcaccag tgagttgaaa aaactggtct taagttggaa	420
aaactattat taataatatt atcctatcca tccatatcta ttgaaattgt caggtccata	480
atttcatttt aattaattat aggaaagaag aaaagataat acccatttgt tctat	535

<210> 92
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 92	
caggggcttc tgctgagggg gcaggcggag cttgaggaaa ccgcagataa gtttttttct	60
ctttgaaaga tagagattaa tacaactact taaaaaatat agtcaatagg ttactaagat	120
attgcttagc gtttaagttt taacgtaatt ttaatagctt aagattttaa gagaaaat	180
gaagacttag aagagttagc tgaggaagga aaagataaaa ggtttctaaa acatgacgga	240
ggttgagatg aagcttcttc atggagtaaa aaatgtattt aaaagaaaat tgagagaaag	300
gactacagag ccccgaaata ataccaatag aagggcaatg ctttttagatt aaaaagaag	360
tgacttaaac agcttaaaagt ttagtttaaa agttgtaggt gattaaaata atttgaaggc	420
gatcttttaa aaagagatta aaccgaaggt gattaaaaga ccttgaaatc catgacgcag	480
ggagaattgc gtcatttaaa gcctagttaa cgcatttact aaacgcagac gaaaatggaa	540
agattaattg ggagtggtg gatgaaacaa tttggagaag atagaagttt gaagtggaaa	600
actggaagac agaagtacc	619

<210> 93
 <211> 131
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (102)..(102)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (114)..(114)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n is a, c, g, or t

<400> 93
 cgctgggtgc ctgcagcgcc tcccttgctc catatgggtg gtccagcact ctattgttgt 60
 aaactgttgn ttgncgtgac ctaaattntc ttactaaac anatttaata gtnaaaaaa 120
 aaaaaananc a 131

<210> 94
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 94
 ttttaagtc atctctatag gaaggtgctg ggcagggatc ccagagaaag aaaggggtcca 60
 agactccatt aactgccctg gatgaagggc actgctacag cagctagtac cagagactct 120
 cctatctcac ggttgaggca gaccagcatc agaatagaga ataaaaggaa tgcttatagg 180
 aaacaatttt gtatggaatg ctatagtgcc aagcctcagc ctttggtcca gtgcaacctt 240
 tgctctgctt gtcaacagtg aaaaattagt ttggttagaa gaaccatctg gaaacacacc 300
 agcttctgct accttcacatg tcattgttaa aaaaagatta accagtgtga acattctgat 360
 ctgttaattc cagggactgt tttctttcca atggactgtt tgttggtaga ataaccctca 420
 aaagctcaaa gctaaaatgc atcatcagtc ctatgcggca gttccttaag aatggactgg 480
 cggcgtgggt gagctgatat ggaaaagctg caccttcctg cagaagatca actgacctgc 540
 tatccacccc caaatttcaa cctgagggtat atttcaatga aggcaggtag ctgtgcttct 600
 cagagca 607

<210> 95
 <211> 687

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (650)..(650)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (685)..(685)
<223> n is a, c, g, or t

<400> 95
tcccggaatc gcggccgcgt cgacccgcgc ccgaggattc agcagcctcc ccccttgagcc 60
ccctcgcttc ccgacgttcc gttccccctt gcccgcttc tcccgccacc gccgcgcgcg 120
ccttcgcgac gccgtttcca ccgaggaaaa ggaatcgtat cgtatgtccg ctatccagaa 180
cctccactct ttgacccctt ttgctgatgc aagtaagggt gatgacctgc ttcctgctgg 240
cactgaggat tataatccata taagaattca acagagaaac gccaggaaga cctttactac 300
tgtccaaggg atcgctgatg attacgataa aaagaaacta gtgaaggcgt ttaagaaaaa 360
gtttgcctgc aatggtactg taattgagca tccggaatat ggagaagtaa ttcagctaca 420
gggtgaccaa cgcaagaaca tatgccagtt cctcgtagag attggactgg ctaaggacga 480
tcagctgaag gttcatgggt ttaagtgcgt tgtggctcac tgaagcttaa gtgaggattt 540
ccttgcaatg agtagaattt cctttcctcc cttgtcacag gtttaaaac ctcacagctt 600
gtataatgta accatttggg gtcgcctttt aacttgact agtgaactn cttcatgcaa 660
taaaactgaaa agaccatgct gctantc 687

<210> 96
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 96
ttcggacgca agaagacagc gacagctgtg gcgcactgca aacgcggcaa tggctcatc 60
aagggtgaac gccggccctt ggagatgatt gagccgcgca cgctacagta caagctgctg 120
gagccagttc tgcttctcgg caaggagcga tttgctggtg tagacatccg tgcctgtgta 180
aagggtggtg gtcacgtggc ccanatttat gctatccgtc agtccatctc caaagccctg 240

gtggcctatt accanaaata tgtggatgag gcttccaaga aggagatcaa agacatcctc	300
atccagtatg accggaccct gctggtagct gaccctcgtc gctgcgagtc caaaaagttt	360
ggaggccctg gtgcccgcgc tcgctaccag aaatcctacc gataagccca tcgtgactca	420
aaactcactt gtataataaa cagtttttga gggatttttaa aa	462

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<210> 97
<211> 535
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

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<400> 97	
ctgcaatgtg caatagtgc accactgcac tccagcctgg gtgacagagt gagaacctat	60
ctcttaaaaa aaaaaaaaaa aaaaggaaga agagacatga gagggcccaa gtcacttgct	120
cactcacttt ccgtgtacat gtaccaagaa aaggccatgt gggaaagagc aagaaggcag	180
ccgccttcaa gacaggaaga gagccctcac cagaaactga gccagaacct tggaattcca	240
gcctccanaa ctgtgagaaa agaattttct gttgtttcag tccccacac tatggcattt	300
tgttacggca gcttgagcta atactcctac ttgtcctgc atttacttgg tcttccagtt	360
agtttttttag actttgggaa tcagagcagt cagttgtcag attttagctt acagttgtcc	420
tacctgtgca actgaaattt ctccatttt aaaccagagc agagtttttag agtcaaaaga	480
aaccagatct tttagtgcag aagctttcca ctgtattana agtgaggaag ttggt	535

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<210> 98
<211> 512
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

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<400> 98	
aaaaaaactc cagagaagtt tatagaaaga gatgacatgt aaacctgct gaaaaatagt	60
ttcatttgtt agaataataa tgtcttcac taaaaaaaga aaaaaaaag catttaaggc	120
tctaagatct ctggaagtac cacttttctt gaatcccaga gtttttatgt gcattatttt	180

tatgcgtttg tagtttgata tgttgtattt ataagtagtt ttagctttcc attatgaatt	240
cttcttttgac ccatgagtta ttttaggtaag tgtttaaaaa ttacaatag tttatatatg	300
caaatattat gttgttagag ttgggtttca tgtcattttt acatatacag gggcagtttc	360
cccaactaaa ttgtatattc cttaaagcag cactcttaaa ttttatttct gtgtcaattt	420
cttgncctgtg tttcctggca tggaaatacat ggcataaaat ttgttatgta attaaatgaa	480
atattattat actttctatt ttttagaaaa aa	512

<210> 99
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (552)..(552)
 <223> n is a, c, g, or t

<400> 99	
gtcgacaggg atgacataac tattagtggc aggttagttg ttggctactt tcaactctgg	60
gttcaagcga ttctcctacc tcagcctccc gagtagctgg gattacaggc atgcaccgcc	120
acacctaatt ttctattctt agtagagacg gggttttccc ctgttggtca ggctggcttc	180
gaactccga cctcaggtag tctgcctgcc tcagtctccc aaagtcctgg aaccacagac	240
atgagccacc acgcctggcc ctttttaaaa tatttctgct cattgatgat gcaccacgtc	300
acccaagtgc tctgatggag atgtataagg agatgaatgc tgttttcatg gctgctaata	360
caacattcat tctgcaacct ccaaatcaag aagtaatttt gactttcaag tcttattatt	420
taagaaatat attttgcaag actatagctg ccatagaccg tgattcctct gatggatcag	480
acaaactaaa atgaaaacct cctgcaacgt attcatcatt ctagatccct gaggaatcgc	540
cacactgact tncacaatgg gtgaactggg ttacagt	577

<210> 100
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 100	
aaacaaaatt attctctgag agggaaagga catttgaggg aaacatcaaa tttcccata	60
aataaatgaa tggagtgtgc aggaagggtga gggtagacag agatgtgtgt ggacatctct	120
gaccatccat cgctgtattc aaatggattg ttttattcca ttctggcttc aggcattgacc	180
acgtccagtg aagacatttg aggcagcaca tctcaggacc caggcaatag actggcccca	240
actcaggctg gactaagggtg tgattaattc tttgtttttt gtgtggaaca gtcaccttg	300
tcagacagcc tcagggcacg tctgagacac aggggcagaa aatgacattc atcttttgag	360

tcctcatcca tggagtctg tgttggggg gctgcatctg ctgaagcgag aacccattc	420
tgccaccca ccaggatgcc cattctccag gacttctcca acttactatt agactaaac	480
agaacaagca acaactgta tttatgcaag caaaattgat gagaaaatta tattcaaata	540
aagcaaaat ta	552

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<210> 101
<211> 606
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (565)..(565)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (581)..(581)
<223> n is a, c, g, or t

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<400> 101	
tcgtgccact gcactccagc ctggacgaca gagtgagact ccatctcaaa ataaataaat	60
aaataataaa ataaataaat aaataaaaaa ataaaaaata cttctgctat gaaaaaccta	120
gttgggtattt ttgcttattt aatactatag aaatatgggt atctcatctt taatagagtg	180
ctttaagggt ccccgatgat aatctcctaa aatcatgaac tttaagaatt tataatgtta	240
atatgaggaa atgaaatctg gattatctca ccacatatta tataattcat tagtgacaga	300
gcaagaactc caggtcacct gtctattcca tgttttctct atctgccttt aaatgttgag	360
atactaccct tatctcatgt gaatggagaa actgcctaaa atgctaaaac tgactcagag	420
gcacccagac ataagtgaag tgtgattaga aaatcctggt cagttgagtc tttagccaaat	480
gtgtacctac tgtgtctgcc tctatcaagt caatgaaaac atgatctgag aactgtaagt	540
ccatttatgg aaagggttga ttanagata ttttgaactt ncagtgatga gcccttcttc	600
aaatag	606

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<210> 102
<211> 341
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

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<400> 102
cggactcctg tgctaattgt cagcttacat atcattgtat agagactggt tattctgtac      60
caaaactgatt tcaaaagtac tacatngaaa ataaaccggt gactgttttt cttcataaag    120
ttctgcgttt ggcattctca ctctttccaa aatgtatctg tacatcanaa atgtcactat    180
tccaagtgtc tttttagtgt ggcttttagta tggcttcctt ttaatattnn acatacattg    240
natctttggt ttatggnaat aagtaataaa aatgtagact tcatattttg tacaaaatgt    300
cctatgtaca gaataaaaaa gttcatagaa acagccnana a                          341

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<210> 103
<211> 647
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (546)..(546)

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<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (562)..(562)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (611)..(611)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (645)..(645)
<223> n is a, c, g, or t

<400> 103
aggcggaggc aggagatcn cntgagggtc agagtttgag accagcntag ctaacatggt 60
gaaaccccat ctctacaaaa atataaaaaat tagcctgggt ggtgatgggc acctgtaacc 120
ccagctactc gggaggctga ggtaggagaa tcacttgaac cgggagatg gaggttgcag 180
tgagccaaga tcgtgccact gcactccagc ctgtgtgaca gaacaagact ctgtctcaaa 240
aaaaataat aataataata ataataaaaa ggaataacat agctaggaat aaatttaac 300
aaagaggtga aagacttata cacttaaaac tacaaaaaaa aaatcactga aggaattata 360
gacccaata aaaataaata aaaagacatt ctgtgtttta gggaaagaag acttaatat 420
gttaagatgt caatactacc caaagtatc tacagattca acataatccc tatcaaaatt 480
ccaacagcct actttgtaga aatggaaaag ccaattttca aattcagatg gaattgagag 540
gggtnttgaa taacaaaaa cnatcttggg gaaaaaaaac aaaaaacaaa gtcaaagaac 600
tcacacttct ntatttataa atttactaca aagttatagt aatcnaa 647

<210> 104
<211> 329
<212> DNA
<213> Homo sapiens

<400> 104
tacgcacacg agaacatgcc tctcgcaaag gatctccttc atccctctcc agaagaggag 60
aagaggaaac acaagaagaa acgcctgggt cagagcccca attcctactt catggatgtg 120
aaatgcccag gatgctataa aatcaccacg gtcttttagc atgcacaaac ggtagttttg 180
tgtgttggct gctccactgt cctctgccag cctacaggag gaaaagcaag gcttacagaa 240
ggatgttctc tcaggaggaa gcagcactaa aagcactctg agtcaagatg agtgggaaac 300
catctcaata aacacatttt gggttaaaa 329

<210> 105
<211> 504
<212> DNA
<213> Homo sapiens

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<400> 105	
gagcagtggc atgatcacac cttactgcgg cctccaacc ctagacttaa gtgattctcc	60
cgcattatcc tcctgagtag ctgagactac aggtgcatgc caccatacac tactaaattt	120
gggtcgggtg gtggtggtga ttttttaata tttttgtaga gacagggctc cactgtgatg	180
cccaggctgg tcttgaactc ctgggctcaa gcagtcaccc acctcagcct cccaagcac	240
tgggattaca ggtgtgagcc accacactgg ccagctttgt tttgttttga tgactaagct	300
gctcttgcta aaagggcttc tctctgaact tccttacctt tcttctgttt ccctgggcta	360
gggctccatg ttggcagtc tcttccaat taacctgggg ctgtctggtt aacctttata	420
agatctgcag tcattgggag acccggggac caggaatatt gttgttgagg gagctacccct	480
ggaaagtgga tgggtggcca aagg	504

<210> 106
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 106	
tttggctttg cctctaggca ttagatgta tctttggagg catccttcta tgagcattca	60
tttttggacc aagcctggat ttacaattct attactggcc cagacttcat ttctatccaa	120
tttcattcca ctgtgctata gtttacaaca tataatttga cttataaata attcctgact	180
atgggtttaa agactgaaa tggatcaata gaaactttga aaatgttaac atcttgattg	240
cttttctcag tgtagaaatg gacaatgttt agcttaaaaa ctgcattgtt ttaatgagat	300
acggggttga aagacttatt cctggaattt attgttctgg agaaagcctg ttgctatctg	360
ccataccttg gtttactttg tgcaaaatga gcttcttttt aagtaatgag ctctttccat	420
gttcagctta aattgctgtc ttagacactt catcagggtt ccctgctctg cctcattccc	480
ccttttgctc acttgcagcc ttgacataa tcctgggagg caattggcat catacatatt	540
ttgctttgta atctctctgt ttgattctga ctgggaccca gc	582

<210> 107
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (708)..(708)
 <223> n is a, c, g, or t

<400> 107	
ggatctaaga ccagcctggc agccaccaga tggtgattct agtcttggtc cagtcagtaa	60
taggtcactg accccagaga aatcaattca gcctccccag gtccttggat ttctttctgt	120

gaaaatgaaa gcataggtag gaatttccca tggaacagct agcagaggag aaatattaaa	180
agtcaggaga ctcatgctat agttttcata cttcattaca acaatgttgt ttaggacaag	240
tgagttaacc tgttagcttc ctctatataa aatggaaagt cattaaaaac ctacatagca	300
gggttcttgt gaagatcaag tgataatgta ggaagcatgt acaaatgtca cattctgccg	360
tcacgtaatg gtcctcacag cttgaggtag catttagcat gtgtcatgat ttagtacaag	420
ggttggaaca ctgttgctct tggattaagt ctggctcatt gcctgttttt caaagaaaaa	480
aattgtatat gtgtgtatat atgttatata taggtacaca cacatatgtg ctatatatag	540
catatatata cacataatat ataaacatgt acatatatag cattatatat ataccgtgta	600
taatatctcc agtcctcatg accagccatg cttgttcatt tacatttgca tactctatga	660
ttgtcttcat gcaacaatgg cagagttgag tgattgtttt gcacaganac tgtatggccc	720
actaaaccta aaatattaat ctctgcc	747

<210> 108
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 108	
ctcctgccgg gctcgtggcg gcttctgtcc gctccgcgga gggaagcgcc ttccccacag	60
gacatcaatg caagcttgaa taagaaaaac aaattcttcc tcctaagcca tggcatatca	120
gttatacaga aatactactt tgggaaacag tcttcaggag agcctagatg agctcataca	180
gtctcaacag atcaccccc aacttgccct tcaagttcta cttcagtttg ataaggctat	240
aaatgcagca ctggctcaga gggtcaggaa cagagtcaat ttcaggggct ctctaaatac	300
gtacagattc tgcgataatg tgtggacttt tgtactgaat gatgttgaat tcagagaggt	360
gacagaactt attaaagtgg ataaagtga aattgtagcc tgtgatggta aaaatactgg	420
ctccaatact acagaatgaa tagaaaaaat atgacttttt tacaccatct tctgttattc	480
attgcttttg aagagaagca tagaagagac tttttattta tt	522

<210> 109
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<400> 109	
tgccactgaa gatcctggtg tcgccatggg ccgccgcccc gcccgttgtt accggtattg	60
taagaacaag ccgtacccaa agtctcgctt ctgccgaggt gtccctgatg ccaagattcg	120

catttttgac	ctggggcgga	aaaaggcaaa	agtggatgag	tttccgcttt	gtggccacat	180
ggtgtcagat	gaatatgagc	agctgtcctc	tgaagccctg	gaggctgccc	gaatttgtgc	240
caataagtac	atggtaaaaa	gttgtggcaa	agatggcttc	catatccggg	tgcggctcca	300
ccccctccac	gtcatccgca	tacaacaagat	gttgtcctgt	gctggggctg	acaggctcca	360
aacaggcatg	cgagggtgcct	ttggaaagcc	ccagggcact	gtggccaggg	ttcacattgg	420
ccaagtattc	atgtccatcc	gcaccaagct	gcagaacaag	gagcatgtga	ttgaggccct	480
gcgcagggcc	aagtccaagt	ttctggccgc	agaagatcca	catctcaaa	aagtggggct	540
tcaccaagtt	caatgctgat	gaatttgaag	acatggtggc	tgaaaagcgg	ctcatcccan	600
atggctgtgg	ggccaagtac	atccccaatc	gtggccctct	ggacaagtgg	cggccctgca	660
ctcatgaagg	ctttcaatgt	gc				682

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<210> 110
<211> 668
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (616)..(616)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (635)..(635)
<223> n is a, c, g, or t

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<400>	110					
tcccggaatc	gcggccgcgt	cgacctgtgc	cttgagcgtc	aaccttcttt	ccctgaagtg	60
gctgggggtc	ctgtttcctt	ctttgattga	caacttgtgt	taacctctgc	acatctctgg	120
gccaatTTTT	gcttgaagt	ctttccggag	acccctggaa	tttaaatcat	tagcaccgcg	180
cccttccccg	aagagtcttc	gaaggggttc	cgcttttcgg	tggcgcgatt	ctcgcgagaa	240
ggtgactttc	tttctcggtt	tttccgtggt	tccagaatcc	ttagcgcgag	gcggaaaaaa	300
tatttctccc	agcttgtgtt	gatgccgcga	ttttgactga	gacttcttcc	cacgatttct	360
gtttttgctt	ctccaaggaa	aatggcagct	cccgcgcagc	cgcttgcat	atcaagggga	420
tgacgcagct	cctcctcgct	tccccgcct	cggggcgacc	gaaccttct	ggtcaggcac	480
ctgccggctg	agcttactgc	tgaggagaaa	gaggacttgc	tgaagtactt	cggggctcag	540
tctgtgcggg	tcctgtcaga	taaggggcga	ctgaaacata	cagcttttgc	cacattccct	600
aatgaaaaag	cagctntaaa	ggcattgaca	aactncatca	actgaaactt	ttagtcatac	660
tttaatcg						668

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<210> 111
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<211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (452)..(452)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (529)..(529)
 <223> n is a, c, g, or t

<400> 111
 cagagatcaa aataggcctt acacagtgcg acgcgaattt aaaagattac cccattcagg 60
 tgtatggatt ttgcagtatt aaagatgctg cctggaatag gtcattatct tctccaagta 120
 ctctgtttaa tcaatgagtc acatagagta taaggtttat tatctgcttt tctttcatta 180
 aataaatctt tattgaattt ctactacatt aaaaaaccaa accaaaacaa acaaacacaa 240
 aaaaacactt ccttgagcca taaaggagaa ggtagttttg actggaacct tgaaggatgg 300
 gtaaaccttc agcagataaa gattgagaga agaccttcca ggtagagaaa gcagtgtggg 360
 cacaggcaaa gatggaagaa cacacgtggc tgtgggaaac acagctagaa gccagtgcgg 420
 atagagagta ggctatgatg tgcaaaggtt anacactggg agagacaggt ccatgagagt 480
 agcttgagct aacacaggga ggggttgtaa tcccaactgg ggaacctana aatcaa 536

<210> 112
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 112
 taggaggctt attcactgat ttcccctatt cttaggtac accctagacc aaacctacgc 60
 caaaatccat ttactatca tattcatcgg cgtaaatcta actttcttcc cacaacactt 120
 tctcggccta tccggaatgc ccgacgtta ctcgactac ccgatgcat acaccacatg 180
 aaacatccta tcactctgat gctcattcat ttctctaaca gcagtaatat taataatctt 240
 catgatttga gaagccttcg cttcgaagcg aaaagtccata atagtagaag aacctccat 300
 aaacctggag tgactatatg gatgcccccc acctaccac acattcgaag aacctgtata 360
 cataaaat 368

<210> 113
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 113
tcctttatcaa gttgagaaag ttcttccctt ctattcctag ttgctaaga gtccttctat 60
cctatttctt aatggtttag tagatgactc tgtggtactt tgaaggttgt ttgcagaatt 120
tccatgccat aggcaattta cctttccttg acatttgaag gattgatgtt ggtgccaaagt 180
atagaatctt cacagagtcc tcctgtagct tctaaagggt tagcttgaaa atgttaattg 240
cttaacgcta gtaagtgagt gaaaaagctg gggataaatt ttgtatcttg cttatatctt 300
agttccacc tctgtccnga cnaaaccccc atatataa 338

<210> 114
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 114
tagtttacat atcccaacct ttaaaaaatat tcctcttatt agctttatat tcactttata 60
gaagttgagt ttaataataa attcttggca tcctgaagta tgcacatag catgtgctcc 120
ttataaatat gttgatattc cagaagacag catcccggtt ttcattttat aaagtaccat 180
acttaagaat gctgtaatac ttatctttta taacatgttt ccttcgcttt gcttgncttt 240
tatgncatca gttttaactg ttacttcat ttaacagntt acatcatnca acagtttact 300
tcattaaaca gtaggtggaa aaatagatgc cagtctatga aaatcttccc atctatatca 360
aaatactttc aaggatatac ttt 383

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<210> 115
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (586)..(586)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n is a, c, g, or t

<400> 115
 cgacttttcaa ccatcaagtg aggaatacct tcacataact gagcctccct ctttatctcc 60
 tgacacaaaa ttagaacctt cagaagatga tggtaaacct gagttattag aagaatgga 120
 agcttctccc acagaactta ttgctgtgga aggaactgag atttcccaag atttccaaaa 180
 caaaacctat ggtcaagttt ctggagaagc aatcaagatg ttcccacca ttaaacacc 240
 tgaggctgga actgttatta caactgccga tgaaattgaa ttagaagggt ctacacagtg 300
 gccacactct acttctgctt ctgccaccta tggggtcgag gcaggtgtgg tgccttggtc 360
 aagttcacag acttctgaga ggcccacgct ttcttcttct ccagaaataa accctgaaac 420
 tcaagcagct ttaatcagag ggcaggattc cacgatagca gcatcagaac agcaagtggc 480
 agcgagaatt cttgattcca atgacaggc aacagtaaac cctgtggaat ttaatactga 540
 ggggtgaaca cccatttttc cttctggag acttctaagt aaacanattt cctgattggc 600
 attaatgaan agtca 615

<210> 116
 <211> 161
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (156)..(156)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (160)..(160)

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<223> n is a, c, g, or t

<400> 116
gatttttaaa aatacatata gcaaaaatat tacagggtca ggggagacaa ttagaatgat      60
ataattcaaa gtggattaaa aaaaaaactg tcaccagaa tacaataccc agcaaagttg      120
tccttcataa atgaaagaaa aatnaaatct ttncnnaacn a                          161

<210> 117
<211> 28
<212> DNA
<213> Homo sapiens

<400> 117
tcccgggaat ctgcaggatc cgtcgact      28

<210> 118
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<400> 118
gacagtgtccc agggctctga tatgtctntc acancttgna aagtgtgaga cagctgcctt      60
gtgtgggact gaaaggcaag atttgttcct gcccttcctt ttgtgacttg aagaacctg      120
actttgtttc tgcaaaggca cctgcatgtg tctgtgttct tgtaggcata atgtgaggag      180
gtgggganac caccaccacc ccatgtccac catgaccctc ttncacnct nacctgtgct      240
ccctcccaa tcatnttt                                     258

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<210> 119
<211> 694
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (666)..(666)
<223> n is a, c, g, or t

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<400> 119
tgggctttgg gctggctgca gtctgtctga gggcggccga agtggctggc tcatttaaga      60
tgaggcttct gctgcttctc ctagnggcgg cgtctgcgat ggtccggagc gaggcctcgg      120
ccaatctggg cggcgtgccc agcaagagat taaagatgca gtacgccacg gggccgctgc      180
tcaagttcca gatttgtgtt tcctgaggtt ataggcgggt gtttgaggag tacatgcggg      240
ttattagcca gcggtaccca gacatccgca ttgaaggaga gaattacctc cctcaaccaa      300
tatatagaca catagcatct ttctgtcag tcttcaaact agtattaata ggcttaataa      360
ttgttgccaa ggatcctttt gctttctttg gcatgcaagc tcctagcatc tggcagtggg      420
gccaagaaaa taaggtttat gcatgtatga tggttttctt cttgagcaac atgattgaga      480
accagtgtat gtcaacaggt gcatgtgaga taactttaaa tgatgtacct gtgtgggtcta      540
agctggaatc tggtcacctt ccatccatgc aacaacttgt tcaaattctt gacaatgaa      600
tgaaactcaa tgtgcatatg ggattcaatc cccaccatcg atcatagcac cccctatcag      660
cactgnaaac tcttttgcat taagggatca ttgc                                     694

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<210> 120
<211> 337
<212> DNA
<213> Homo sapiens

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<400> 120
ggcagcgcgg ggagcccgct ggcgccggcg ggcgggcccgg ttctgaagtt gatgcaatcg      60
gtttaaacat ggctgaacgc gtgtgtacac gggactgacg caaccacgt gtaactgtca      120

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gccgggccct	gagtaatcgc	ttaaagatgt	tcctacgggc	ttgttgctgt	tgatgttttg	180
ttttgttttg	ttttttggtc	tttttttgta	ttataaaaaa	taatctattt	ctatgagaaa	240
agaggcgtct	gtatattttg	ggaatctttt	ccgtttcaag	cattaagaac	acttttaata	300
aacttttttt	tgataatggg	taaaaaaaaa	aaaaaaa			337

<210> 121
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 121						
cataataaaa	aacaatcaac	aaacagggaa	tggaagaaa	cttcctcagc	atgggtgaagg	60
ccacatatga	aaatccaca	gctaacatca	tactcaatga	tgaaagactg	aaagcttttc	120
tcctgagatc	aggaacaaga	caaagatgtc	accttttgtc	acttctattc	aactcattat	180
tggaagtttt	tgccagagca	attaggttaag				210

<210> 122
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 122						
cagaatcttt	tcataggctg	aatgttgctc	cacaatgtgt	cctttgacta	tctctggcta	60
attattattt	taatctcttc	tcagcttttc	caagaacata	acgttaacca	aagatcttag	120
gccattcaca	actcttttgg	aaaaattaat	gtggatgtga	aacgaggcaa	caaatcctga	180
agtagaaagt	tattctctgg	caggcacggg	ggctcacgcc	tgtaatcctg	gcactttggg	240
aggccgaggt	gggtggatca	tgaggacagg	agatcgagac	catcctggcc	aacatgatga	300
aaccccatct	ctactaaaa	acaaaaaatt	agctgggcat	ggtgacgcgt	gcctgtagtc	360
ccagttactc	gggaggctga	ggcaggggaa	ttgcttgaac	ctcggagggtg	ggagggttga	420
gtgtgccgag	atcacgctac	tgcaactccag	cctggcaaca	gagcaagact	ccatct	476

<210> 123
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 123						
aaacagaaag	tttcttctaa	aggcatgatt	cagttaagtc	attcttaagt	gtataaaaaat	60
tgtgaaaaat	gtgcctgtaa	tcccaacact	ttgggaggcc	gaggcaggca	gatcacgagg	120
tcaggagatc	aagaccatcc	tggtctacaa	ggtgaaaccc	cgctctctacg	aaaaatacca	180
aaaacattag	ccgggcgtgg	ttgtgggcgc	ctgtagtccc	agctacttga	gaggctgagg	240
caggagaatg						250

<210> 124
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (326)..(326)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (328)..(328)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (378)..(378)
 <223> n is a, c, g, or t

<400> 124
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 tggcttttga ggggggtgtt tttttaagac aacattgacc actgtccact gtccacatga 120
 tcattgtaaa attgcaatgc cgcattgctag ttggttacat aagacataat tccagtgtatt 180
 gaaggtggtt acactgtatg gtggtgtgtt caagatggca ctggcatctt tgagcagagc 240
 ctggctatgc agcatcattt gaggttttta aacaccctan aggtctggtt gttgttgctg 300
 ttgtcctttc ctgtgaaagt cacaananaa gttacagtcc aggtgaacct ggagtttata 360
 ggttggtttt gtttctgnta tatatatata tatatatatt tttttttttt ttttaacattt 420
 acctgtatgt ctgtagctgt tgatactatc acctgcatgc tatttctagt gagggtctaaa 480
 tacagtatgg tccaatgaca ataacagccc atgggtactgc cag 523

<210> 125
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<400> 125
 catcagtctg ttatccatgc tgactttccg aagacttgca gctactgcat tgatatcttt 60
 cctgccaata agcaaatgtt tgaacacttc acaaaatatt ttactgaggc aggcttgaaa 120
 gagctttcag aatatgttcg gaatcagcaa accatcggag ctcgtaagga gctccagaaa 180

```

gaacttcaag aacagatgtc ccgtggtgat ccatttaagg atataatfff atatgtcaag 240
gaggagatga aaaaaaaca catcccagag ccagttgtca tcggaatagt ctggtcaagt 300
gtaatgagca ctgtggaatg gaacaaaaa gaggagcttg tagcagagca agccatcaag 360
cacttgaagc aatacagccc tctacttgct gcctttacta ctcaaggta gttctgagctg 420
actctgttac tgaagattag ggagtattgc tatgacaaca ttcatttcac gaaagccttc 480
canaaaa 487

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<210> 126
<211> 274
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

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<400> 126
cacactttca tgataaaaac agaacctagg aatgaaaaga aattatagca acataataaa 60
gaccatatat gagaagccca cagctaacat actgtatggt gaaaaactga aagctcttcc 120
tctaagatca ggaacaaggc aaggatgcc attcttgcca cttctatcga acgtagtact 180
ggaagcccta gccagaacaa ctaggcaata gaaagaaatt aaaggcatcc atntcagaaa 240
ggaagaanca aaatgctgtc tgtttaanat gaca 274

```

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<210> 127
<211> 130
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

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```

<400> 127

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tttctatana aaaaaatttt ttaaaataat tgtaaagtta gattttaaata tgtaaaatat	60
aaaatcacaa aggaatgtac ccaataaaat gtaaatgcnc cataaaaaaa aaaaaaaaaa	120
aaaaaaaaaa	130

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<210> 128
<211> 519
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

```

<400> 128	
cgntaacgtg caatccgcgc cagccagca aactggacaa actccgggat ctcatcgaag	60
cgattgagca ccagtaggac agtaataacc gactgatgta acgaggcgag tcgctcatcc	120
agcttgctga cgtgaggcaa catccaggcc atcgaacggn tcatcaagaa tcaacaagtc	180
aggctccgac atcagcgctt gacacagcag ggtttttcgc gtctcgccag tggaaaggta	240
tttaaagcgt cngtcgagga gggcggtaat accgaactgc tgcgccagtt gcatgcaacg	300
cgggtgcattc ttactttcat cctgaatgat ctgagccgta gtgcgtccgg tgccatcttc	360
gccaggggccg agcatatcgg tgttattccg ctgccattcg tcgctgacga gtttttgcaa	420
ttgctcgaag gagagacgag tgatgtggga aaactggcct tgccgttcac ctttcaaaa	480
cggggaagttc cccgcgcagc gcgcgggcca gggcccgat	519

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<210> 129
<211> 272
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (107)..(107)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (121)..(121)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (135)..(135)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (181)..(181)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (197)..(197)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (203)..(203)
 <223> n is a, c, g, or t

<400> 129	tttttttttt ttattctatt aaaaaatgtt nntgaaaaaa gatacttaaa ttttaaagat	60
	aactnaattc ctaangattt aaaataatcc aagcagagat gaaagancaa atgcaaattgc	120
	ntaaaaagac cccanagcat tgttagcaaa aagcaaatat agttagccaa gcataatat	180
	ntcataaaag caataanaag gcntaaagca agtttgggga gagcttattt aaaacttgta	240
	aaaatcattt gaatttttaa aagttttcaa ac	272

<210> 130
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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<400> 130
tttggaaacac aaagtccct ttttagaaga ataggtattg agcccttgag cgtgggtaga      60
aagatagaga cagagtgatt tgcaaaataa tggaggatca tatttatata tgaattttca      120
cttatttgaa ctttcagata tcancctnaa aanccttggt ttaagtaaag tntnttaatg      180
agactccttg gatgaaagta accaaaacca gtaaaaataa ggtaataagg atgtaatagt      240
ttcttatgga cactcaacag ctagaatgca gttagtctca gaaaagaatt agaacaataa      300
actggaaggc catcaggagt ccaaaccat cactcttta tttttatat tttatttttc      360
tctcttcana tgagcattct ctttctatgt ccatatggtta naaggcgga gtcctataga      420
ttatggcttc agatgttaca gtcccgctna atgcagggac agacttgcta tctttcagtc      480
cccttacata tcctggggag agagcaaatg attgactggc ttgagtcagg tgcccgttcc      540
ctttccaatc t                                     551

```

```

<210> 131
<211> 224
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 131
gtttgnttgt gaccatctgt acttgaatt tctttacntt cattggatg aaaaatatgt 60
tcttagaagc angaaaaaga attcagnttt gctttgtata cttaaataaa tgctgtaatt 120
ttgataaaat gaaaaatctg ctttatttgc aacaattggt ttcttccttg acgtcagcct 180
cactcttgga ctttggtatt cagccngnca cccctgggaa ttcc 224

<210> 132
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 132
gtgcctccct gtgtgtagtg cctaaggatg attgaaaaag actgggatgt gttttatttt 60
tttgatttag atagcattaa ccttactggt gaagtatttt tggaggagta ttatgacaa 120
gccattgagt cttaaagcctt acggcttcct ataaaatcac taatttcgtg tgtgtttgtg 180
tgtaggttac gttatatata ggattcgtgt tcgccgtggt ggccgaaac gccagttcc 240
taagggtgca acttacggca agcctgtcca tcatgggtgt aaccagctaa agtttgctcg 300
aagccttcag tccgttgacg agganccgagc tggacnccct ggggggctc 349

<210> 133

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<211> 635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (605)..(605)
 <223> n is a, c, g, or t

<400> 133
 ttaacagctg catagagttt taaaagtaca ttatattttg tcagacaagt aaaatatctg 60
 tttttcacgc aaaaaaagcc atgaaatcac taatttttta aagacaaaaa atcatctttt 120
 gagtttgctc tttggttttt cttcattcct tttgaggatt gggaaaaacag aaagattctt 180
 tgatttgggt aatgaagagg taatttggga cagtgtggtg gtaccaggaa gaaagaggat 240
 tggaaaggcc agtactgttt tagttgctcg gcactgttgg ttttgtttta atgtggttgc 300
 cctgtccact acatggttct atcagtagtg taatccattt tcaatgtaaa gctcttttag 360
 tttttgtcat agacataaat taatattttg agaggcatcc ctacctgttt catttcttct 420
 gtgttgaaat gaagtactta aaattaccgt tatacatgaa ctttgggac tgtaagattt 480
 gttatatatg ttcaaatgcc ttttagctgg ctttttaatt aatatgcctg ttttgagtgc 540
 ttaatacaat gtaatgngga ttgtaaatca tacctatttt aaatcattcc ttcctgtata 600
 tttgnactca gagagcctta ttttattctt ccagc 635

<210> 134
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)..(193)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (249)..(249)
 <223> n is a, c, g, or t

<400> 134
 ttttcttaga actttatttt ttctggccag gcgcagtggc tcacacctgt aatcccagca 60
 ctttgggagg ccaaggcagg tcgatcacct gaggtcagga gctcaagacc agcctggcca 120
 acatggtgaa accctgtctc tactaaaaat acaaaaaatta gctgggcgtg gtggcgcatg 180
 cctgtaatcc canctactca ggaggctgag gcaggagaat tgtttgaacc cgggaggcgg 240

```

aggttgcant gagccgagat tgcgccactg cactccagcc tgggcaacag agcgaaactc 300
catctcaaaa aaaaaaaaaa aaaacaacct ttatTTTTtC tgattttaaa agtaataact 360
agtttgtaga aacattaaaa gt 382

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<210> 135
<211> 503
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

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<400> 135
accctaaca taacttaaaa ttgttngga atttgaaagt acagaatTTT cctgtaattg 60
agactnTTta aacttttTgt gttggagaag gtattctatt ttttgaaaat atctgtaagt 120
tttatctaaa tagtaaacTc taagtattct tcccctttac ttacagccac cctgggaatc 180
tgagactaga gaaaataaag ttgtctctt gtTctaagga gggTctggt tagaaatctg 240
atttagacat agaaaaattg caagaagctt gaggtgattg gaagatacga ttttTttatc 300
aaagnatgTt tctgttttat agattttatt catctacaac tccttattaa tatattttaag 360
aagtcattaa cccaccattg attacttgat ataaaaggag aancggtggt aaagggtgaa 420
atanaatTTT taattttttt ttttttaagt ttaggatttt tttttaaatt ctaagagttt 480
ctgtcatttg gggacaatca gaa 503

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<210> 136
<211> 576
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (319)..(319)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 136
 tgggaatcat aatngttaa ctgaagctna taagatgaga gcattcanag agaaaaaac 60
 ggaagattg aatatacagtt tcccttcttt aaaaaaattg tggatatgtg atctagcttc 120
 ttgagcatca cagtgaactg ttggctcgtg gtaattgatc gctatgctga caatcttacc 180
 tccacctatg tcattcaatt ttctaagagg caaaatcctt aatcaggagg agagttagc 240
 tctagctaaa tttcccttgt ccagcatgct cctgctcccc caacttgtgg aaacagctaa 300
 aggattggac taggagcana agtttggaa ggttaaaatg tagcaacatg tgtttcctga 360
 acaaaaattc cactataata aaaaaagcat ttgaatgctc ccttgtaatt ctgttggagc 420
 ttgttcctt ttttatgaca caaccataat cagtgataga cagtgcata aagaagcaag 480
 agcaaagcaa ttaagtaata atagcactac aaaaatgtgt gctgtactta ccaaacacga 540
 catttatgaa ttattanata ggaataaggg gatggt 576

<210> 137
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 137
 gaccagcca tctaaataag ttrtacatgt tgcgtatttt ttgttaggg acttatcttc 60
 cgaagaggaa aggttttatg aaactaaagt aacaatgata gcttggaaac aaatgatag 120
 cattgttggc acagctgtga atgatcatgt cctcaaagtg tggaaattctt acactggaca 180
 actgcttcat aacttaatgg gacatgctga tgaagtattt gttctggaga cacatccctt 240
 tgattccaga attatgttat ctgcaggaca tgatggcagc atatttatat gggatattac 300
 aaaaggtacc aagatgaac attattttta tatggttaagt gaagtggatg gtaccttgat 360

acatgcttga taatttgttt agagtatttg ggttatgcgg cttaccaga aattgatctg	420
cttgttttgg cagtttgttt ttacaaatca acatattcaa agcctgctaa atattagaca	480
gctacatgta tatacgtaca tacatgaa	508

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<210> 138
<211> 4
<212> DNA
<213> Homo sapiens

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<400> 138	
tttc	4

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<210> 139
<211> 431
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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<400> 139	
ctcgcgtgcg ggaggccacg ggctttccac agcgcggggg aacgggaggc tgcaggatgg	60
tcaagctgac ggcggagctg atcgagcagg cggcgcagta caccaacgcg gtgcgcgacc	120
gggagctgga cctccggggg tgatctggac cctctggcat ctctcaaadc gctgacttac	180
ctaagtatcc taagaaatcc ggtaaccaat aagaagcatt acagattgta tgtgatttat	240
aaagtccgcg aagtcatagt actggatttc cagaaagtga aactaaaatt ttaatccagg	300
tgctggtttg ccaactgaca aaaagaaagg tgggccatct ccaggggatg taaaagcaat	360
caagaatgcc atagcaaatg cttnaactct ggctgaagtg ganaggctga angggttgct	420
gcagtctggt c	431

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<210> 140
<211> 606
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 140
gaagacctca catctgagag ctcatctgcg ttggcattct ggagaacgcc cttttgtttg 60
taactggatg tactgtggtg aaagatttac tcgaagtgat gaattacaga ggcacagaag 120
aacacataca ggtgagaaga aattttgttg tccagaatgt tcaaacgct ttatganaag 180
tgaccacctt gccaaacata ttaaaacaca ccagaataaa aaaggtattc actctancag 240
tacagtgtg gcatctgtgg aagctgcgcg agatgatact ttgattactg caggaggaac 300
aacgcttatc cttgcaaata ttcaacaagg ttctgtttca gggataggaa ctgttaatac 360
ttccgccacc agcaatcaag atatccttac caaactgaa atacctttac agcttgtcac 420
agtttctgga aatgagacaa tgggagtaaa tattacacaa atacttattc attgnggtta 480
ttttatata gtagtgagaa gaatattggt cctaagttct tagatatctt tttttggatg 540
tgcaaaaatt tttggattga cagtaacttg ggtatacatg acactgaaat gccttacttt 600
ggatga 606

<210> 141
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<400> 141
tgccctgcggg ccaggagcctc gcccagccca tgttcattcca gtcagccaac cagccctccg      60
angggcaggc cccccagggtg accggcgact gagggcctga gctggcaagg ccaaggacac      120
ccaacacaat ttttgccata cagccccagg caatgggcac agccttcctc cccanaggac      180
ccggccgacc tcagcgccctc ctgcaggcta ggacactggt gcactacacc ccatgcctgg      240
gggccgagat tctccagcag aaagatgcaa tttttttgtt ttcctttttt tccatttttt      300
tctctaagga atcaatatatt caatatgttg agtgtgtgtc caatgctatg aaattaaaaat      360
attaaataac atatttatgg cattttcttg aagagtgtgg ttgaagaaat atttctcctt      420
ttgtttttct tttttttttg nttgntactg ccacttcttt ttaggagcaa atctcccgag      480
gggtgtacgg natttcttga ctctgggaac agctgctacc cccaagactt gccacgttgt      540
tctgccctca aatggaatta agtg      564

<210> 142
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 142
ggaatatggt caggatcttc tccatactgt cttcaagaat ggcaagggtga caaaaagcta      60
ttcatttgat gaaataagaa aaaatgcaca gctgaatatt gaactggaag cagcacatca      120
ttaggcttta tgactgggtg tgtgttgtgt gtagtgaata cataatgttt attgtacana      180

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tgtgtgggggt ttgtgtttta tgatacatta cagccaaatt atttgttggt tnatggacat	240
actgcccttt catttttttc tttccagtg tttaggtgat ctcaaattaa gaaatgcatt	300
taaccatgta aaanatgant gctaaagtca gctttttagg gccctttgcc aataggtant	360
cattcaatct ggtattgatc ttttcacaaa	390

<210> 143
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n is a, c, g, or t

<400> 143	
accgcccac ttccagtaat tcgccaaaat gacgaacaca aagggaaaga ggagaggcac	60
ccgatatatg ttctctaggc cttttanaaa acatggagtt gttcctttgg ccacatatat	120
gcgaatctat aagaaagggtg atattgtaga catcaaggga atgggtactg ttcaaaaagg	180
aatgccccac aagtgttacc atggcaaac tggaagagtc tacaatgtta ccagcatgc	240
tgttgccatt gttgtaaaca aacaagttaa gggcaagatt ctgccaaga gaattaatgt	300
gcgtattgag cacattaagc actctaagag ccgagatagc ttcctgaac gtgtgaagga	360
aaatgatcag aaaaagaaag aagccaaaga gaaaggtacc tgggttcaac taaagcgcca	420
gcctgtccta ccagagaag cacactttgt gagaaccaat gggaaggagc ctgagctgct	480
ggaacctatt ccctatgaat tcatggcata ataggtgtta aaaaaaaaaa ataaaggacc	540
tctggg	546

<210> 144
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<400> 144	
acattttcgc gnccttttgc catacacagt tacagagatc agtcaaatcc ataccaccac	60
tgagatctca tttattgccca cagatgcaca aaataataa cccaataac	109

<210> 145
 <211> 374
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 145
ccagcaacga cccatacctc agacccgacg gcccgagcg gagcgcgccc tgcctggcg      60
cagccagagc cgccgggtgc ccgctgcagt ttcttgggac ataggagcgc aagaagcta      120
cagcctggac ttaccaccac taaactgcga gagaagctaa acgtgtttat ttcccttaa      180
attatttttg taatggtagc tttttctaca tcttactcct gtgtatgcag ctaaggtaca      240
tttgtaaaaa gaaaaaaac cagacttttc anacaaaccc ttgtattgt anataagagg      300
aaaagactga gcatgctcac ttttttatat taatttttac agtatttgta agaataaagc      360
ancattgaa atcg                                     374

<210> 146
<211> 357
<212> DNA
<213> Homo sapiens

<400> 146
gtacaggagg taaattggat accccatcta aggggatctg tgagaccagg tagttatttg      60
gaatgaaaga gtaagatatt aaaccagcca gcatgtcaac aggtgggtga tagtcttggt      120
ctcacagaca acagatggcc atcatcttaa aacaacattt atgtaacca cgagataagg      180
gactcctgca ttgtcagtgg actttgagcc tgagtttttc tacttgcata ggtgaaagtg      240
gactgcaatg ctagtataaa tgccgtatga tgactagtag cccttaggga gtcctcagtt      300
gccttccttg ggaaccacag accccaagtg taatttcctg aggacagccc gacttct      357

<210> 147
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature

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<222> (101)..(101)
 <223> n is a, c, g, or t

 <400> 147
 gttactgtga gccctgtcagt agtgggtacc aatcttttgt gacatattgt catgctgagg 60
 tngacacct gctgcactca tctgatgtaa aaccatccca nagctggcga gaggatggag 120
 ctgggtggaa actgctttgc actatcgttt gcttggtggt tgttttaac gcacaacttg 180
 cttgtacagt aaactgtctt ctgtactatt taactgtaaa atggaatttt gactgatttg 240
 ttacaataat ataactctga gatgtgtgaa aaaaaaaaaa aaaaaaaaaa aaa 293

 <210> 148
 <211> 521
 <212> DNA
 <213> Homo sapiens

 <400> 148
 ctgcggtgga gccgccacca aaatgcagat tttcgtgaaa acccttacgg ggaagaccat 60
 caccctcgag gttgaaccct cggatagcat agaaaatgta aaggccaaga tccaggataa 120
 ggaaggaatt cctcctgac agcagagact gatctttgct ggcaagcagc tggaaagatgg 180
 acgtactttg tctgactaca atattcaaaa ggagcttact cttcatcttg tgttgagact 240
 tcgtggtggt gctaagaaaa ggaagaagaa gtcttacacc actccaaga agaataagca 300
 caagagaaag aagggttaagc tggctgtcct gaaatattat aagggtgatg agaattggca 360
 aattagtcgc cttcgtcgag agtgcccttc tgatgaatgt ggtgctgggg tgtttatggc 420
 aagtcacttt gacagacatt attgtggcaa atgttgtctg acttactgtt tcaacaacac 480
 agaagacaag taactgtatg agttaataaa agacatgaac t 521

 <210> 149
 <211> 470
 <212> DNA
 <213> Homo sapiens

 <400> 149
 aagctcatga ttttaaatgt atttttctaa taaactatac tcccatttaa aaatcaccaa 60
 taccttaatg tttcaattat ataagctaata taaaaataaa ggctgggctg ggtggtcac 120
 tttggaagac cgaggcaggc agatcacctg aggtcaggag ttcgagacca gcctgcccaa 180
 catggagaaa ccccatctct actaaaaata caaaattagc caggcatggt ggcacatgcc 240
 cgtaatccca gctactgggg aagctgaggc aggagaatca cttgaacctg ggaggcaggg 300
 gctgcagtga gccgagatca tgccattgca ctccagtctg ggcaacaata gtggaaactcc 360
 atctcaaaaa taataaaaaa aataaaaata aataaaaatt caaacctaaa atagatgctc 420
 tacttcagga gtgggcaaat taatcacctg catccttttt ttgggctttc 470

 <210> 150

<211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (492)..(492)
 <223> n is a, c, g, or t

<400> 150
 tttttttcta aatggngatt actaatatat gtggagacta ttaatctctt ttctgttgcc 60
 attagtcat ttttcccca aagccaatac atgttcatta caaaaatgaa ttataaaata 120
 taagttaaaa gaaaaacata aaaccctaca atcttaccba ccagacaac tactattaat 180
 accttagtat taacatatat acatcatgta tatgtataaa ttatctttaa acaaaaaataa 240
 aattattctt tacatatgtt tttaaaacct atttatctgg ccaggtgccg tggctcacgc 300
 ttgtaatccc agcactttgg gaggctgagg cacgtggatc acctgaggtc aggaattcga 360
 gaccagccca gccaacatgg tgaaaccctg tctctaattg tttaataacc aaaaaattag 420
 ctgggcatgg tggcacatgc ctgtaatatc agctaacatg ggaggctgag gcaggagaat 480
 cacttgaacc anggaggggg aggttgacgt gagccgaaat cacaccactt cactgcagcc 540
 tgggcaacaa agcaagactg tctcaaaaag aaaaa 575

<210> 151
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (115)..(115)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (179)..(179)
 <223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 151
cactgtcatt cccaggaggc tttggagtc gaactggatt caaattctga cntatgttg      60
tgtgacttgg gccaatagct tctttntgtg cctcagtttc tttagctgta aatanacggg    120
taggtcacc cttaccccat aggttatggg gaaagttaga gaaaatggtc agctgggcnc     180
agtgggtcaa gcctgtggct ccagcncctt gggaggccaa ggtgagcaga ttgcttgagc     240
ccaggagttt gacaccagtn tggcaacgtg acgaaacctt atcncgtgta aaaatacaaa     300
aaattagcca ggcattggtg tgtgtgtctg tggttcagc tgcttgagag tttgaagtgg     360
gaggatcacc tgagcccaga aggtcgaggc tgcagtgagc tgtgatcgcg tcactgcact     420
ccagcctggc gacagagtga gaccctttt gaaaaaaaaa aaaaaaaaaa                470

<210> 152
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (602)..(602)
<223> n is a, c, g, or t

<400> 152
gtgagcgggtg gtggtttatt ctccgtgga gttaagggct ccgtggacat ctcaggctctt    60
cagggctctc catctggaac tatataaagt tcagaaaaca tgtctcgaag atatgactcc    120
aggaccacta tattttctcc agaaggtcgc ttataccaag ttgaatatgc catggaagct    180
attggacatg caggcacctg tttgggaatt ttagcaaatg atgggtgttt gcttgacgca    240
gagagacnca acatccacaa gcttcttgat gaagtctttt tttctgaaaa aatttataaa    300
ctcaatgagg acatggcttg cagtgtggca ggcataactt ctgatgctaa tgttctgact    360
aatgaactaa ggctcattgc tcaaaggat ttattacagt atcaggagcc aataccttgt     420
gagcagttgg ttacagcgct gtgtgatatc aaacaagctt atacacaatt tggaggaaaa    480

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cgcccccttg gtgtttcatt gctgtacatt ggctgggata agcactatgg ctttcagctc 540
tatcagagtg accctagtgg aaattcgggg gatgggaagg ccacatgcat tggaaataat 600
ancgctgcag ctgtgtcaat gttgaaacaa g 631

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<210> 153
<211> 646
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (576)..(576)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (638)..(638)
<223> n is a, c, g, or t

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<400> 153
ttttttttt ataaactcca atcatttcca gagctactta gctcagcatc ttttttttcc 60
acgctcttaa gttgtgttta tacatttttg atacagttag attgtttttg tcacattctt 120
cattctatcc tgggatcccc caaccaccta agtggatttt ttgataattt gcatgcttta 180
aggataactc ttcattctgn aaagggctat gggttttggc aaatgcagag tcatgtatcc 240
aagattacaa tatcgcacag aagagtttca tcactatata aaactcacca gtcttcctcc 300
tattcaacca tctccatgcc tcttcccag ccctaactcc ttaaaaccac tcatatcttt 360
actattgcta tagtattgcc tcttccacca tgtcatataa atggaaacat acagtattag 420
tcttctcaaa ctagtttctt ttacctaaca acatgcattt aagattcata gtgtctttta 480
atgacttgat agattatttc ttgtagctg aataatattg catcttatag atgtaaccgt 540
ttgtatatcc atattttctc acagcctatg acttgncttt tgattctctg aacaggccat 600
tcacaaagca gaagttttta tttttataaa gctaattgnat caactt 646

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<210> 154
<211> 69
<212> DNA
<213> Homo sapiens

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<400> 154
cctggatgac agcatatctg tttatagctc agtttactga atactttaag cccactgttg 60
aaacctgct 69

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<210> 155
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (500)..(500)
 <223> n is a, c, g, or t

<400> 155
 gatgcatgtc cagcataaggc aggtattgctc ggtggtgaga aggttaggtc cggctcagac 60
 tgaataagaa gagataaaat ttgccttaaa acttacctgg cagtggcttt gctgcacggt 120
 ctgaaaccac ctgttccac cctcttgacc gaaatttcct tgtgacacag agaagggcaa 180
 aggtctgagc ccagagttga cggagggagt atttcagggt tcacttcagg ggctcccaaa 240
 gcgacaagat cgttagggag agaggcccag ggtggggact ggaatttaa ggagagctgg 300
 gaacggatcc cttaggttca ggaagcttct gtgcaagctg cgaggatggc ttgggccgaa 360
 ggggtgctct gccgcgcg ctgactgtga gctgagcaaa gccctgggct cacagcacc 420
 caaaagcctg tggcttcagt cctgcgtctg caccacacat tcaaaaggat cgttttgttt 480
 tgttttttaa gaaaggtgan at 502

<210> 156
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (62)..(62)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

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<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<400> 156
ctgcgatnga gttttgagag gaaggantaa agtnctcatc tcngacggtg agaaagatca 60
tnactaagga aacgcagggt tggaagcagt gctgantgtc cagttgagtt tcatgancaa 120
acatttgctg tgggaccagt ttcatggng gtttgcatt ttgtccagct gcctggagct 180
gcttggttga aggcacagaa taatcaggat taattgttna acttgtatga atttctttat 240
tttaaaatag gaataatatc tgccttggga gcaagttgta agagttaact gaaagcttna 300
ggaaaaaactt tcccttgcta ttttaagtagg gctttacaag ttacaattct atcacagttt 360
taagattata aac 373

<210> 157
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (21)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 157
gcggcganc tgcggatcca naaggncata aacgancga acctgccaa nncgtgtgat 60
atcaccttct nagatccaga cnacctctc aacttcaagc tggatcatctg tcttgatgag 120
ggcttcnaca agagtgggaa gtttgtctca aaaaa 155

<210> 158
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<400> 158
gattttactgt gggaatttgc tcatgtcaatt atggaaacct agaagtccca taatatgccca 60
tcttcaagct ggaatcccga gaaagcaggt ggtgtaattc tgagattgaa gtcttgagaa 120
ccgggggagat caatggtgta actccaatc tagggcttaa ggccaagga ccagggtctgc 180
tgggtgtgag atgcaaatcc tggagttaa aggattgaga accaggagct ctggtgtctg 240
agggcagtag aagatggatg ttccagctca agaaggga gtaagaatcc gtccttctc 300
cacttttttg ttctattcag atgagccctc aatggactga acgatgctca cccacactgt 360
gagggtcgtg cttctttatt caatccactg acttaagtgc tgatctcttc tggaacacc 420
ttcacagaca caccagaaa taatgttcta ccagccatgg gcctgttact tagccagtc 480
aagttgacac agaaaattag ctatcacaac atctgtgtgt gtatatacat atgtatttgc 540

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atgtgtgtgtg atatattggng tatatatatt catgtgtgtg tatat

585

<210> 159
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 159
cttttgccag tagggcccct gagtaggttc ctctatcttt tggcatgacc ccagaagtct 60
ttgataaactt ccttgctttc tgatgtgaca agacatccag ggccagattg tccatatcct 120
gccccggatg cacgatgcac tgtttctcca agaatcccag tgcctttgac tgatgatgcc 180
atgattttaa gttctctaat atagttttat ctctttgttt cagataatgc ttttgtgttc 240
tcacatgtcc tgctctctct ctctctctca ttttgggtgt gatcagtcct tccataagat 300
tgtttatctc actagtcctt cattcttctt ttttctaaat ttactcttct tgactagtat 360
cctgtcactt ctgaggactc atatttttgc aacttgaaaa ttattcttat ttatttaagt 420
atatgttinct gaaactctca ttgacacat ttg 454

<210> 160
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<400> 160
gttaaaaaaa gtaaaaggaa ctgggcaaat cttacccgc ctgtttacca aaaacatcac 60
ctggtagcat caccagtatt agaggcaccg cctgccacgt gacacatggt taacggccgc 120
ggtaccctaa ccgtgcaaat gtagcataat cacttgttcc ttaaataggg acctgtatga 180
atggctccac nagggttcan ctgtctctta cttttaacca gtgaaattga cctgcccggt 240
aagaggcggg cataacacag ctgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aatttt 346

<210> 161
<211> 516

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 161	
cttttcattg tctctgttc attaatcatc taaaatccaa gcncagagaa ttcaatttta	60
gatgggtctc agagcagaat ttgatgtata atcttaatta caaatcatag ataattaata	120
ttgnttcaaa aatcanaata cgattagagg tagggatcct gcacacacc tattttcctc	180
cccagtggtc tgaccgagag actaattaat aattcaagga acttacagt aatganaacc	240
catgggtttg cttaattatc agaacagcta gatctgagaa cagctgtctc ccacatggat	300
agacacttat tccaccatt tgcaggtaga atagctggca ataataagtc cttccattg	360
gatatgttga aagggtcctg ccatggcata gttgccacaa gagaggaaga aatggacaca	420
aatgtaggct gttttcaggg canaggaag gtggaggaa accaanttgc tggttttcac	480
acaccctctg gggaacacc atgcacctat ganatg	516

<210> 162
<211> 385
<212> DNA
<213> Homo sapiens

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<400> 162
gacaaaagct gagagaattt ttttcttgaa tatttgcact aaaagatagg ttaaaattct 60
tcaggctgaa gagagcatac cagggtggaga ttggatcta caaaaaggaa ggaagatttg 120
gaaatggatt tggccaccatt gactcaattt ccagaacaag aaagcagggg cagttttggg 180
aagctcaaga cacactgccc atgagcagca atttggacct cctgctgcat ccactgtgca 240
tcaaacacac actgtacaga caaagactcc caggaaaaga agtataaaca tggactaaca 300
cagagatggg caaactacag cctgtgaccc agccacctgt ttatgtagaa tccaaagtaa 360
gaatctttaa cttacacata aactt 385

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<210> 163
<211> 660
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<400> 163
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaaacca 60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttgga gccttcctga 120
tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaagaa cttagatgtc 180
agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaagaa ctgagagtga 240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan 300
agctctgtct ggaccccaag gaaaactggg tgcanaaggt tgtgganaag tttttgaaga 360
gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc 420
agtgaactt caagcaaatc tacttcaaca cttcatgtat tgtgtgggtc tgtgttaggg 480
ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatagtt 540
tttcattgta ccatgaataa tccagaacat acttatatgt aaagtattat ttatttgaat 600
ctacaaaaa caacaataa tttttagata taaggatttt cctggatatt gcacgggaga 660

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<210> 164
<211> 549
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

```

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<400> 164
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca      60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttggca gccttctctga    120
tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa ctgatagtgc    180
agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaagaa ctgagagtga     240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan     300
agctctgtct ggaccccaag gaaaactggg tgcanaagggt tgtgganaag tttttgaaga     360
gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc     420
agtgaacctt caagcaaatc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg     480
ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatatgt     540
tttcattgt                                           549

```

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<210> 165
<211> 660
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (300)..(300)

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<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 165
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca      60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttgga gccttcctga      120
tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaagaa cttagatgtc      180
agtgcataaa gacatactcc aaacctttcc accccaattt tatcaagaa ctgagagtga      240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan      300
agctctgtct ggaccccaaag gaaaactggg tgcanaagggt tgtgganaag tttttgaaga      360
gggctgagaa ttcataaaaa aattcattct ctgtggatc caagaatcag tgaagatgcc      420
agtgaacctt caagcaaact tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg      480
ttgccagatg caatacaaga ttctgggtta aatttgaatt tcagtaaaca atgaatagtt      540
tttcattgta ccatgaataa tcagaacat acttatatgt aaagtattat ttatttgaat      600
ctacaaaaaa caacaataa tttttagata taaggatttt cctggatatt gcacgggaga      660

<210> 166
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<400> 166
gaattgtgat agttcagctt gaatgtctct tagaggggtg gcttttgttg atgaggagg      60

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ggaaactttt ttttttcta tagacttttt tcanataaca tcttctgagt cataaccagc	120
ctggcagtat gatggcctan atgcagagaa aacagctcct tggatgaattg ataagtaag	180
gcagaaaaga ttatatgtca tacctccatt ggggaataag cataaccctg agattcttac	240
tactgatgag aacattatct gcatatgcc aaaaatttta agcaaatgaa agctaccaat	300
ttaaagttac ggaatctacc attttaaagt taattgcttg tcaagctata accacaaaaa	360
taatgaattg atgagaata caatgaagag gcaatgtcca tctcaaaata ctgcttttac	420
aaaagcagaa taaaagcgaa aagaaatgaa aatgttacac tacattaatc ctggaataaa	480
agaagccgaa ataaatgaga gatgagttgg gatcaagtg gattgangan gctgtgctgt	540
gt	542

<210> 167
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (220)..(220)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (351)..(351)
 <223> n is a, c, g, or t

<400> 167	
cttgaacctt ggaggcagag gttgcagtga gccgagatca cgccactgca ctccagcctc	60
ggggacagag caagactcca tctcaaaaca cacacacaca cacacacaca cacacacaca	120
cacacaaaac agatatacac tgaacacagc acaagtggga cataagagat ttaaaaggggt	180
tagagatgta aaatggatct aggaatggaa accataaggn gggattttatc aactggattc	240
tgcaaatgct tgtaaggcc agatgttagc aggtgttaca taaaaaagggt ataccatgag	300
caaaagtatt tgaacatggg caatggttga aacaagttta aacagattat ntattattacc	360
aaatctctca aacctttaat atgctataaa cattgtgaaa caataaaaaa actttcca	420
a	421

<210> 168
 <211> 472
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<400> 168
gggaaggag ctatgagtgt gtgtgttgtg tatggactca ctcccaggtt cacctggcca 60
caggtgcacc cttcccacac cttttacatt ccccagagcc aagggagttt aagtttgag 120
ttacaggcca gttctccagc tctccatctt anagagacag gtcaccttgc aggctgctt 180
gcaggaatg aatccagcag ccaactcgaa tccccctagg gtcaggcac tgagggcctg 240
gggacagtgg agcatatggg tgggagacag atggagggta ccctatttac aactgagtc 300
gccaagccac tgatgggaat atacagattt aggtgctaaa ccgtttatit tccacggatg 360
agtcacaatc tgaagaatca aacttccatc ctgaaaatct atatgtttca aaaccacttg 420
ccatctgttt agattgccag ttcctgggac caggcctcan actgtgaaag ta 472

<210> 169
<211> 638
<212> DNA
<213> Homo sapiens

<400> 169
ggcggagggt gcagtgagct gagatggcgc cattgctctc ccagcctggg tgacaagagc 60
aaaactccgt ctcaaaaaaa aaaaaaaaaa aaaaagcaat ttacttaaaa acatacaaac 120
acagagacaa gtatttttga gaaacaaata cttttttcat tttttatacc aatgtaacaa 180
taatccatta aacacacctt tactaactgt tttctaggag tctgatatga tgaggaaata 240
ggtaaacctt taatagccag tactaaatta gagtggcaca actttcactg ggaaaaaaga 300
tgggtatitit acttttctgt tttagaaaag tggcttgaca acagtatgct tatgtcttag 360
agtttgaaat tcaagtcttt gaacattatt aatggctaca atcattcata cccacattgg 420
gctgtattct tgatgaatcc aaagtgtatt tcacctcaac tctgaatttc atttctctct 480
tttgaatata atacaacctt ctactagag gaagcatttc agtcttttct gattggagat 540
tcattattgt tttagataat gttttcatit gcttatgggt atataaaaaa ttttatctta 600
aaaatatitc ctctcatitca gctagcaaca ttgttttc 638

<210> 170
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 170
ctcagggtga tctctgaacc caaacttgcc ccaaagaagg ttgctctgtc ctctccacat    60
ccccatctcc tccttagggc cttgttgggg agaggctcct ccattcttcc caagtcacac    120
catcgtttcc tacgtggctt ggacaagagc aagagcacac cttgtcccca ctttctccag    180
agcagccaga acccacctca ggtgccttcc ccatccggtg cagttaaggc acttctgccca    240
gcaccatggt atgagcacta gacttggagt taagatttga gagccccctc tgtcactgtg    300
gaagcttgag catgttgctt gatctctctg aaccttgtgt ttctcatctg tgaaaggatga    360
taatgtgggg ctgctgtgag atttaaagga cataatgcac ctacgggtcca agcactgcct    420
ggaatacagc anaagctcaa cagatactgg acaaccatc cccttagtag aggcactaac    480
catgtgaccc aaggcaaaag tgcttaaaaa aa                                512

<210> 171
<211> 580
<212> DNA
<213> Homo sapiens

<400> 171
attgcatgca agtttgctga gctgaaggaa aagattgac gccgttctgg taaaagctg    60
gaagatggcc ctaaatcttt gaagtctggt gatgctgccca ttgttgatat ggttcctggc    120
aagcccatgt gtgttgagag cttctcagac tatccaccctt tgggtcgctt tgctgttcgt    180
gatatgagac agacagttag ggtgggtgtc atcaaaagcac tggacaagaa ggctgctgga    240
gctggcaagg tcaccaagtc tgcccagaaa gtcagaaggc ctaaatgaat attatcccta    300
atacctgccca cccactctt aatcagtggg ggaagaacgg tctcagaact gtttgtttca    360
attggccatt taagttagt agtaaaagac tggttaatga taacaatgca tcgtaaaacc    420
ttcagaagga aaggagaatg ttttgggac cactttggtt ttctttttt cgtgtggcag    480
ttttaagtta ttagttttta aaatcagtac ttttaatgg aaacaacttg accaaaaaatt    540
tgtcacagaa ttttgagacc cattaaaaaa gttaaatgag                                580

<210> 172
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>

```

```

<221> misc_feature
<222> (538)..(538)
<223> n is a, c, g, or t

```

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<400> 172
gcaacctgca caaccccgcc ctgttcgagg gccggagccc tgccgtgtgg gagctggccc      60
aggagtatct ggacatctgt cgggagcacc cctgccccct gtcctacgtc cgggcccacc      120
ttttcaagct gtggcaccac acgctgcagg tgcaccagga gctgcgagag gagctggcca      180
agggtaanac cctggaggcg atcgctgctg tgagccagga gctgaagctg cgggtgtcagg      240
aggagatatt caggcaggag ggagcgaagc ccaccggcga cttgcccttc cactggatct      300
gccagcccta catccggccg gggcccaggg agggggagcaa ggagaaggca ggtgcgcgca      360
gcaagcgggc cctggaggaa gaggaggggt gcacggagggt cctgtccaag aacaagcaaa      420
agaagcagct gaggaacccc cacaagacct tcgacccctc tctgaaccaa aatatgcaaa      480
gtgtgaccag tgtggaacc caaagggcaa cagatgtgtg ttcagcctgt gccgcggntt      540
g                                                                                   541

```

```

<210> 173
<211> 671
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (610)..(610)
<223> n is a, c, g, or t

```

```

<400> 173
ggaatagaat tttaaatagt aataactgct tgtttttttt gtgcaagtac ttttatacat      60
aagataaaca aaaaccttac caccaaacat accaaaatgc acctctttca taagtgaagt      120
actaagattt ctatacctgg aatatcatgt atgtttcatt tactggatgt ttacatttta      180
ggaaggaaaa tagttttgtt tatttaaaaca actgaatact tataaactgt tgttctctgga      240
agttatttat tccataaaaa atttgttctt ttgtcatgaa ttataaattc ctaaaatgaag      300
accagaaagt acaaaattgt gggaggaaga ataggcttta ttaatcaact gatgtcttga      360
tttttctaaa tgggaagatt gctttatttt taacactaat tatgggagca gattcttagc      420
aaacttcttt ggaaaaagtta atgttatgat gtgcattagg ctgccccatc gtgtatataa      480
atgaagcaga ttgtattttt gtattcttac gtttctctgc tttgtagttg tggctgtact      540
taaagaaata cagaatttca tatatttaaa aatgttttaa atgtgacca cagacattgt      600
aatgggattn aaaactaaca tgaaaaatat tcaacctaaa agaattctta acttcacaag      660
tgttttactt c                                                                                   671

```

```

<210> 174

```

<211> 607
 <212> DNA
 <213> Homo sapiens

<400> 174
 cttggttcg cgttcctgc acaaaatgcc cggcgaagcc acagaaaccg tcctgtctac 60
 agagcaggag ttgccgcagc ccaggctga gacagggtct ggaacagaat ctgacagtga 120
 tgaatcagta ccagagcttg aagaacagga ttccaccag gcaaccacac aacaagccca 180
 gctggcggca gcagctgaaa tcgatgaaga accagtcagt aaagcaaac agagtcggag 240
 tgaaaagaag gcacggaag ctatgtccaa actgggtctt cggcaggtta caggagttac 300
 tagagtcact atccggaaat ctaagaatat cctctttgtc atcacaaaac cagatgtcta 360
 caagagccct gcttcagata cttacatagt ttttgggaa gccaatatc aagatttatc 420
 ccagcaagca caactcagc ctgctgagaa attcaaagtt caaggtgaag ctgtctcaaa 480
 cattcaagaa aacacacaga ctccaactgt acaagaggag agtgaagagg aagaggtcga 540
 tgaaacaggt gtagaagtta aggacataga atttggtcat tgtcacaag caaatgtgtc 600
 gagagca 607

<210> 175
 <211> 583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<400> 175
 gtcaccaaga gcttggtgc aggttttcac ttgctattcg cagagatttt ttttaaaggc 60
 actatttcta gtgttaaaag ggtgaattta tcanaaggca taataatcat aaatgtgtat 120
 atgcctaata atagaacttt aaaaggcatg aagcaacact caaaaggatt aaagggagat 180
 catctcacc cctctttacc aattgataga atgatctgat gaaaacagta aaataacaac 240
 agatctgaac actgtcaacc atcttgacaa atacttatgc ctagtgttcc attattggaa 300
 cactaaacat gtggaatgat ttatatccta ctgctcaagg tcatcaccaa ggtctaattg 360
 taaaatttca aaaaattgca acctcaggca taaatgggtt aatcgacatt tatagcacac 420
 acatgaaca tgtaccagag attccttctt ttctatgaac atggtacttc caccaagata 480
 gaccacattg tgaactataa acaaatcta aaaacatttg aaatgaagga aattatataa 540
 aatatgttct cttgatctca atgaaattaa attaatacta tat 583

<210> 176
 <211> 549
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (417)..(417)

<223> n is a, c, g, or t

<400> 176

ctcatggcgg ccaatgtagc cccaaaactt cctcaagtca aactctccag gccaccttc 60

tgcttcccg tgccatcaac aggccagct ttgacttgag aacagcctct gcaggccctg 120

ctctgcctc ccaggggctt ttccaggcc cagctcttgc ctcatggcag ctgccccagg 180

ccaaatttct gcctgcctgc cagcagcctc aacaggcaca gctcctccct cacagtggcc 240

catttaggcc caactcatga ctgtgaggcc atttccaggc ctagtgcctg cctcgtggct 300

gactcttgaa gcccaaaact tctcaaatc agccttttgc ccaacttctg tctactgtcg 360

gactctacag gtcagcctct gcctcacagt ggaccctcca gaccagatg gtgtctnctg 420

tggcatcctc aggcgaagct cctgccttgc gccagcctct ccaggcccg ctcctcctgc 480

tccagccttc tctccaggct ctgaacttgc tcaggcttcc ctctgttctc caaggctgga 540

gtgtagtag 549

<210> 177

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (581)..(581)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (602)..(602)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (644)..(644)

<223> n is a, c, g, or t

<400> 177

tatatatgta atgcccttaa cctagtgttt ggcatgatcg ttgctgaaag ggaagcttgt 60

gggtacagtg tccctcaga agccaaagcc cagggaaggt cgctgcccc ggtcaggctc 120

ccagcgagtt tgtctgggga ggggccattc atacctccag gtcaggacag aggctcgggc 180

tgagggaacc ctacacaggt cctggaagca gatccttctt gcctaagcca gcaggacagc 240

tcaacaggaa gcattctcca gccacgggag gagaggcagc accttttttg gaaccatata 300

gagctaagaa tgggtgtaca agtaatagat tctgtactgg caacccact tgggtggagca 360

```

agttctagga aaagggggct gtccttgagt cagccatggg gtcagccaca cagtcaccgc 420
agctgctctt tggcaccggg cgctggaaag acctaggatg acacagcctg gaaagagctt 480
gggaaaaagct catcttcac agaactacct gctataccag ccagggcagg tgcttattcc 540
cacaacagcc ctctgttgta ggcggcagtg ccatcctgaa ngtgccgtgg taccttctga 600
anaccagct gagggcctg aatggcactt gcatgccaca tggnacacc tttcccggtt 660
aa 662

```

```

<210> 178
<211> 339
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (14)..(14)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

```

```

<400> 178
accgcggcgg cgtnaanaaa aaaaaaaaaa gaattccact tgatcaactt aattccttnt 60
ctttatcttc cctccctcac ttcccttttc tcccaccctc tttccaagc tgtttcgctt 120
tgcaatatat tactggtaat gaggttgcagg ataatgcagt cataacttgt ttttccttaa 180
gtatttgagt tcaaaacttc tgtatctaaa gaaatacggg tggggtcatt aataagaaa 240
atctttctat cttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 339

```

```

<210> 179
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 179
ttagagaggt gaggatctgg tatttctcgg actaaattcc ccttggggaa gacgaaggga 60
tgctgcagtt ccaaaagaga aggactcttc cagagtcatc tacctgagtc ccaaaagctcc 120
ctgtcctgaa agccacagac aatatggtcc caaatgactg actgcacctt ctgtgcctca 180
gccgttcttg acatcaagaa tttctgttc cacatccaca cagccaatac aattagtcaa 240
accactgtta ttaacagatg tagcaacatg agaaacgctt atggttacagg ttacatgaga 300

```

gcaatcatgt aagtcctatat gacttcagaa atgttaaaat agactaacct ctaacaacaa	360
attaaaagtg attgtttcaa ggtgatgcaa ttattgatga cctattttat ttttctataa	420
tgatcatata ttaccttttg aataaaacat ttttccc	457

```

<210> 180
<211> 658
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (177)..(178)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

```

<400> 180	
cgctcatttg ngtttcttct cacaattggt aagttctctg tattgattga tggctaagtt	60
tgattagtgt ttttctctag ttggtaatta tattctagta ttttatcatc ttattgttta	120
ctcaactnaa agtgnacag aagagttgcc aggtttctct ttgatgatgag atctctnntt	180
gatttggaat gcaaatcana agtgtcatgt tttgaataaa gggaccagat gacttatagg	240
tattctttct ctaaatataa ctaaggtgaag atttttgttt tgaggtagctt aatctatata	300
agtggtaaa aattttacttg aattttctcca aatttctcatg tctaaagtct gattgattaa	360
attcattctt ggtatttcat ttgaaaaga atgtagcttt agcaaaccctc tttgtataaa	420
tgcagtgga ttaaggtcat ttaaaaaatt gttatatcat tgatttttta aaatttacca	480
gtttttttt tctttttacc ctttagcccg gcctcagaaa gtgtgtttgt gtccatttct	540
cccagcgac cctctgcata tctctaccca cttgtcataa ttcagcatcc agcagaggaa	600
aacaaagtgt tgcgtacagt tcctctacta gcagcatgcc tccccaggga caagtgtg	658

```

<210> 181
<211> 452

```


<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (217)..(217)
 <223> n is a, c, g, or t

<400> 181
 ttattgctga cataaaatg gtgcacatcg gccagggcc aggatgaatc agccaatctg 60
 caccatttat acatggaact ggagaacatt gtgccaataa tcatttaata tatgccaat 120
 cttacacgtc tactctaaac tgctctaatt aagtttcagt gaccttgagg gctaagatt 180
 gttcttcttg gtaagagctc ttgggctggt ttttcanagc agagtcttg ttgtgggtag 240
 actgtgacta ggttcacagc ctttgtggaa cattccgtat aacggcattg tgggaagcaat 300
 aactagtctc tatgaaagaa ccagagctgg gaagatggct ggggaagccag gccaaagtgg 360
 gggcaacagc ttgcttctct ttctcttctc accctcagtt tgtatgggaa aatggagatg 420
 tcctctccac tttatcccac gatattctaa tg 452

<210> 182
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 182
 caggatatcg agaccatccc agacagcatg gtgaaactcc gtctctactg gaatacaaaa 60
 agttagccgt gtgtggtggc acgcgcctct aatcccagct attcgggagg cttaggcagg 120
 agaattactt gaacccggga ggcgaagggt gcagtgaagt gagatcgac cattgcactc 180
 caccctggcg acagagcaag actccgtct 209

<210> 183
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 183
 cagccaaccc agaaggagcc agtctacaac tatgcctgat cctcctcatg gcaggccacg 60
 aagcattgct gccatgtgtt gaattataaa acccacattg ctttttgaac cctgttgcgg 120
 gtaaaaaata ccaaatatc agtccttgga aaccaggca atcaagttag tacaaggtaa 180
 agataagtat ggtttagagg agaaattatg ttctggaact ggtgtccttt gatggcagcg 240
 tcagccttgc taagtcagag tagagggagc agtgacctta ataagctttg gtgagcatca 300
 tgtgcacgcg tgggtgggag tccctttcac tgatgctttt aaaagtgcct ttgcagacct 360
 tgggaaggat cctccacaca tatgaggtgt gggacaggtg ggccagagag gattagccct 420
 gctttcgaga ctagaaatct acagtcctga aggagcagta attaattggt acacctgtca 480

gggccagccc ccaggctccc tggctttttc caggttttct gtctcacatg attttgcctt 540
t 541

<210> 184
<211> 640
<212> DNA
<213> Homo sapiens

<400> 184
ctttaatttt tcaagtgttt aaaaaacaat ttatactta agccagcctt gaagataagc 60
acaaaattta ccagttttaca tttaaaaaac aaacaaaaaa cgacaacaac tcaagcacc 120
gtctgtgca tagcactatt ctagggtcaa taaaagggaa tcttaacctt agaaatatga 180
gttcactttc tggaattgta ttatctcctt ttccagagag taaaaataaa taaatcacc 240
attgtttact acagatctgc cccaaaccac atctggttca cagaagggct aatttctgcc 300
aaattaaaga tgtaatgaac tcagttcctg ctttcccaa aacacgaaag cagaattcct 360
tttctctgaa aaaaataaac agttttccat gcaagggcag ttgtcttcta ataagtattt 420
tttaaaaaat ttttttttcc tctagctttt ctttaaat tcttcttcta atattgcctt 480
ttctgtgaca aggcagacca ggtatctttt tatgctgttt ttcctttact aagaaaagta 540
ttgcactttg aagacaaacc atttcccaga gtatgtgata aaaataacac taaaaaaact 600
ttaaagggtga gtcacttcat caccttgatg aagtaaaaaa 640

<210> 185
<211> 633
<212> DNA
<213> Homo sapiens

<400> 185
ggaaaaaata ttccactta gatattttac atggttttgt ttaaaattac cattacttgt 60
tttttaaaaa cacatgacca catatgtata tgtatatcta cctaacatt gtatcatggt 120
ttcagtatgt tattcatgta ttactgggag atgctaccaa gaaaccaacc caaagaaaaat 180
tctggaaaaat acatttctat ttatagaata aatgtttcat ttatataaaa gcaaaagaac 240
ttagagtctt aataaatggg atgtctaata aattatgaag ttactgattt gaatatatta 300
tatttttata acttctctgc caaagtcctg atttagtaca ttagagaacc tgtgtttcct 360
ctctcttcta ccattcatct ctcttcata cagtcatgtt ggctttttac tcaagagaa 420
tcaagaaata ataagggtata acaagcttgg caaagtgttg gcttttttaa aaaaaatttt 480
tttaactctc agcagtttgg taatttagca gcatcattta ttgggattc ttttatctga 540
tttcaacagt gaaaaacatc cctatgataa agcctaata cccatttcca aaagatggaa 600
ttgcccttcc tagaaaatat gacggagaaa agt 633

<210> 186

<211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<400> 186
 cgaatagcca agtgggtctga caagatcgag agtaatgagg ccctactctt agtacagtct 60
 tgaatggcca gatgggtctg ggcatacccc aaccagagat atgtaagtct ttatgttgtc 120
 aaaatttccc agaaacatga atttccact aagattcatt aaggaaaact agaattgaaaa 180
 caaaaacgtt ccttgtataa tattcattan aaagaaatga agaaggcccg gcatgggtggc 240
 tcacgcctgt aatcccagca ctttgagagg ccaaggtagg cagatcatga ggtcaggagt 300
 ttgagaccag cctggccaac atagtgaat cccgtctcta ccaaaaatac aaaaaatta 360
 gccgggcatg gtggcacaca cctgtcatcc cagctactca ggaggctgag gcaggagaat 420
 tgcttgaaac tgggaggtgg aggttgagc gagctgagat tgcaccactg tactacagcc 480
 taggtgacag tgcaagactc tg 502

<210> 187
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<400> 187
 cctatgcca actaaagaaa gcttgccctg cctacaggcc taaaggttca aatgnggatt 60
 aaaaaaacac agtagtcaca taaaatgtct gctggctggc tgaattcca tcacctaca 120
 ttacctgtct ttcaaaaact gtgttcaaca ttgagaaaac agaaaaccac ttactttgag 180
 cttaatatgg gcttcttttt ccttaactgt agaacactta ctgaaatatc aaatcaatgg 240
 ttaggatatg tatcctaggc aggcctaaac cattaacact tggtttaagc aactttgtat 300
 aattnacctc ctaaat 316

<210> 188
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 188
 cttcatgagt gcccggttgc ccaagtcaaa aacctggggag tgatataaac tccccacaca 60
 tccagtcagt cactcatcaa ctctattgat tctgctgcta aatatacttc aattgtatta 120
 acttaaacat atgcataata catcttcttc ttcactgcat tttgtgggc tgcacttacc 180
 tttcaggtaa caacaacact ggccttctt gcccttctag tcagaagtgc caaaatgatg 240
 agagctagcc atgacaaacc cacagccaac attacactga atgtgcaaaa ctggaagggc 300
 atccaaacag aggagg 316

<210> 189
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 189
 tagaattctc gcctgccttg gcttctccct ctagtgttgc cttctctgtc tttctgtggc 60
 tttctattgt ctgctcactc cttcttcagt gtcctctcat gggcttcctt cctctctcag 120
 ctgatgccat cacctgggga atcacagta ctcagcagca ctggggcctc tctatctcta 180
 tgctggtcat gccctatgtg gagctgcaga cccagtgaa tttccatttg tgcattccat 240
 gccagccca cctccacca gccctgaatg cagctgttca gccctacccc agtctcaga 300
 aaagtctctc tccctggatc ctcttttcc ttcattgagt cccggttgcc caagtcaaaa 360
 acctgggagt gatataaact cccacacat ccagtcagtc actcatcaac tctattgatt 420
 ctgtctgcta aatatacttc aattgtatta acttaaacat atgcataata catcttcttc 480
 ttcactgcat ttttgtgggc tgcacttacc tttcaggtaa caacaacact ggccttctt 540
 gcccttctag tcagaagtgc caaaatgatg agagctagcc atgacaaacc cacagccaac 600
 attacactga atgtgcaaaa ctggaagggc atccaaacag agga 644

<210> 190
 <211> 631
 <212> DNA
 <213> Homo sapiens

<400> 190
 ctgaggtggg aggattccac tctcaccat tttcttttc attttcagtt tctccagtta 60
 gtaactgaag atgttctttg agtaattaag tgagtggagaa aatttttaag tgagaaatct 120
 ataaaagaa ccatgttaac ataaatattt cagtcttac aagttggtat tgacttttct 180
 cattggaat ctgactgatt taatactgct cattccaata tctggtgatg taattctggt 240
 tatgaatcct tgtattaata acacctcctg ggaggtttt tttcccaac attacattca 300
 gaatattaga gctgaaaata ctttttttaa ggttatcagg aggagggagc ttatgtttaa 360
 tgtggtggaat aaaacttaac tgctgggttaa tacaattgtt attcaggtga aattccctaa 420

acttttcacg	tgcaaagttt	tgtatgtata	cagacatttg	gggaaaagtt	tatcatccc	480
taaaaccggt	tactgtccag	aaaatgataa	gaatccctgg	gttccaaatc	cttcataagg	540
tattttattca	ttttattatt	caacacattt	actcaatgcc	tccgctctgc	tgcaactaca	600
ctgacattct	gcttctaatac	taaccgaaaa	t			631

<210> 191
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 191	tttcaaatgg	tacaataaca	caaacacactt	tgtaaaggcc	atgtttttatt	tgctgattaa	60
	tggaacaaa	gcaatgtaat	ttatttttcaa	gtatttttctt	gaaagtctgt	gctcataaaa	120
	atcatgaaaa	gttggaaga	ctgttaaatc	actgaaactt	caaatatatc	ttacacaatc	180
	ttgtttgtac	aaaaatacaa	gttaaatata	aacataaagc	aatcatggta	attttatgca	240
	aatctgtttt	atgtgatcat	cagttatata	taaaagtttc	tcagttctgt	tatttgtgaa	300
	aagatcaata	ccagattgaa	tgactaccta	ttggcaagg	gccctaaaaa	gcttacttta	360
	gcactcatct	tttcataggt	taaatgcatt	tcctaatttg	agatcaccta	aacactggaa	420
	aagaaaaaaa	atgaaagggc	agtatgtcca	taaaccaaca	aataatttgg	ctgtaatgta	480
	tcataaaaca	caaaccacc	acatctgtac	aataaacatt	atgtattaca	tacacacaac	540
	acacaccag	tcataaagcc	taatgatgtg	ctgcttcag	ttcaatatc	agctgtgcat	600
	tttttcttat	ttcatcaaat	gaatagcttt	ttgtcacc			638

<210> 192
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 192	gtaaaactgtt	ctctccgagg	gaaaaaatgg	aagttatcct	cacagttcac	tgccgtggta	60
	tttcttctgt	cccatgcttt	gcatgactgc	catgggtacag	ccttgtttca	aactgttcac	120
	tgtgatctgt	gggtctttga	gtttcagtga	gtttgtgtaa	atgtcgaaga	agtagttcca	180
	aacttcaatg	ttcaatgaaa	tttttgttca	agtttgaaat	ggagagagca	gcttttaaaag	240
	gtactaagcc	ttttacaat	tggtgagtac	tggcacatga	gat		283

<210> 193
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (68)..(68)

<223> n is a, c, g, or t

<400> 193
tttttttttt tccttaaaag gtaaccctta aacacagcta aaactatgcc atcagctgac 60
tccaaggnc acacagtctt gtatctggaa ctactgagtg gcaggcatct ttctctgcct 120
ctgacagtgg agtccccatc actgcagagc atagccaaag gagtcaaagg tctcagcggg 180
tcactgcctt atcaaccctc accagtccct tatgtttttt aatattttat aatcttgaca 240
tgacaccaag atgctttaat aaaaaagcac ctctaactcg gtcttgattt cacttacctt 300
gagcctggga cttctctagg ctctgaggc aaaaacaggt agaggggaga tgggtgaaca 360
taaaacacaa ttttgcttgg caccacactt ggcgtctgtc cccatgacca ggtctttcaa 420
ttc gatgatt ttgtcattga tggaggagcg atactgttct tcaatgatata tatgggtgtt 480
ccgcttttct cttcttttgg ggggctcaag ctgcttgact ccccaggtta cctgcttaat 540
ggggcacttt ctcttgcccc atcattacag gcattgtggt cagaatggtc ccaactgctgc 600
ccaccagggt cta 613

<210> 194
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 194
ctagtctttt catagtctgc atagagtctg gccattacca tcagttttta agatgtccat 60
attgtggcgg ggcgcggttg ctcacgcctg gtagtcccag cactttggga ggctgaggca 120
ggtggtatcat gaggtcagga gatcgagacc atcctggcta acacggtgaa acccgctctt 180
actaaaaaaa atattaaaaa attggccagg cctggtgggt ggcgcctgtg gtccccgctg 240
cttggggaggc tgaggcagga naatggtgtg aaccggaag tcggagggtg cagtgcagcca 300
agattgcacc tgggcaacac agcgagactc cgtctcaaaa aaaaaaaaaa 350

<210> 195
<211> 541
<212> DNA
<213> Homo sapiens

<400> 195
caattattta ttacctttcc atttgttcgc ctgatgatgt gacaatgcat ggtctttgtg 60
catgctgcta gacacttttc ttcccagcc gaaaagtcta ttatgtaatt ttacattca 120
taattttaat gtggatgac aggattaaat caagatatat atctggaacc tcttataaat 180
ggagcactta gaaatttgtt gttctgcact taacctagag agagaaaaaa tgcttttctt 240

tgtgaaaaat ctgaattcct gtcctgacct tctgtgatgt ggaaacccta ggctctgaga	300
cacactctct ggtgtctgag acagaaccaa agcaataacg ttgtgatgcc cacaggcctg	360
gagccagcta gcgaccttgg gccgcccagc tgtccatggc ccgtgcagag cagaggacag	420
tgagtgtctg cactgagaac cttaaaccac agttgaacat acccacacct gtttgtctta	480
agctatatgt taaaaacaaa gtttgggctc tgaaaattta actgaaaag atttccttgt	540
t	541

<210> 196
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 196	
gtggcagcag gcgagccca gcctcgaaat gcagaacgac gccggcgagt tcgtggacct	60
gtacgtgccg cggaaatgct ccgctagcaa tcgcatcatc ggtgccaaag accacgcatc	120
catccagatg aacgtggccg aggttgacaa ggtcacaggc aggtttaatg gccagtttaa	180
aaacttatgct atctgcgggg ccattcgtag gatgggtgag tcagatgatt ccattctccg	240
attggccaag gccgatggca tcgtctcaaa gaacttttga ctggagagaa tcacagatgt	300
ggaatatattg tcataaataa ataatgaaaa cctaaa	336

<210> 197
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (128)..(128)
 <223> n is a, c, g, or t

<400> 197	
cagcagcaga aatgtttgca agataggcca aaatgagtac aaaaggctctg tcttccatca	60
gaccacagtga tgctgcgact cacacgcttc aattcaagac ctgaccgcta gttagggaggt	120
ttattcanat cgctggcagc ctcggtctgag cagatgcaca gaggggatca ctgtgcagt	180
ggaccaccct cactggcctt ctgcagcagg gttctgggat gttttcagtg gtcaaaatac	240
tctgtttaga gcaagggctc agaaaacaga aatactgtca tggaggtgct gaacacagg	300
aaggctctggt acatatgtga aattatgagc agaacaata ctcaactaaa tgcacaaaagt	360
ataaagtgtg gccatgt	377

<210> 198
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 198
tactcaatga aaaaccatga taattctttg tatataaaat aaacatttga aaaaaaaaaa 60
aaa 63

<210> 199
<211> 565
<212> DNA
<213> Homo sapiens

<400> 199
caggatcaag gtgaaaagga gaaccccatg cgggaaacttc gcatccgcaa actctgtctc 60
aacatctgtg ttggggagag tggagacaga ctgacgcgag cagccaaggt gttggagcag 120
ctcacagggc agaccctgtg gttttccaaa gctagatata ctgtcagatc ctttggcatc 180
cggagaaatg aaaagattgc tgtccactgc acagtctcag gggccaaggc agaagaaatc 240
ttggagaagg gtctaagggt gcgggagtat gagttaagaa aaaacaactt ctcatagact 300
ggaaactttg gttttgggat ccaggaacac atcgatctgg gtatcaaata tgaccaagc 360
attggtatct acggcctgga ctctatgtg gtgctgggta ggccagggtt cagcatcgca 420
gacaagaagc gcaggacagg ctgcattggg gccaaacaca gaatcagcaa agaggaggcc 480
atgcgctggt tccagcagaa gtatgatggg atcatccttc ctggcaataa aattcccgtt 540
tctatccaaa agagcaataa aaagt 565

<210> 200
<211> 629
<212> DNA
<213> Homo sapiens

<400> 200
cagaagagta agcaaatctc aaagcagcga aaggggaagaa actaaaaaag gtgagcaga 60
aataagagaa aatagagaag agaacaattg agaaaaataa ttgaaccгаа aaggtggttc 120
tttgaaaagc ctaacaaaaa ggacacatct ttagttagag tgaccaagaa aaaagggcag 180
tgactcagat tacttcattc aagagtгaaа gagggcacat cactaccaat ttacagaaat 240
aaaaaggatt atgaggaaat actacagata attgatgaca ttaacttaga agaatatatt 300
tcaagaaaga cacaaactac tgaaccgac tcaagaagaa acagaaaaatc tgaacagacc 360
tataaaaaat agagatttaa ttgatattca gaaagtttcc caaaaagaaa agcactggcc 420
aagatgactt cactggtgaa ttctatcaag tgtcaagat gaattactga cattcattca 480
cactccttta agaaatagaa gaggggacat cacttttcaa agcatcgaca ttctaatacat 540
tagtcccttg gtttctgct cccaaagcca ggtgatgtat cacaaaaaaa cccctacaga 600
cccactgggc acaatggctt tatgcctat 629

<210> 201

<211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (68)..(68)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (91)..(91)
 <223> n is a, c, g, or t

<400> 201
 ctttgctcga atngtcagat aaggattctg tgaanggaga tgagatttcc atccatgctg 60
 actttganaa tacatgttcc cgaattgggg nccccaaa 98

<210> 202
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 202
 ctcaagtgtt ccctcagctt aggcctttgtt taaatgatcc caccagggg cgatggtagg 60
 gaacaacagg gtcactaaac tatttggtg gctacaactc tgggaaatgg taagacaggg 120
 aaaggccatg ttgttcattc cttgtgcag atctagggag aaccgcagag agaacagtta 180
 gcatttcttg ttcaatgaat tatcctatta agaacactgg atgt 224

<210> 203
 <211> 81
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n is a, c, g, or t

<400> 203
 cgngcgcggt cgacgctact cctacctatc tcccccttta tactaataat cttataaaaa 60

aaaaaaaaan aaaaaaaaaa a

81

<210> 204
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<400> 204
ggcatgtgcc tgtagtccta gttgctgagg taagaggatt gcttgagccc aagagttcaa 60
ggctgaaca agcttttgatt gcgccactgc actccancct tggcgacaga ctaaaacgct 120
gtctcaaaaa aaaaacaaaa acgacnaaaa aaaaacaaaa cagaaaaaat taacttaggc 180
aatgacagtc cctggcfaat gctgggaggg aggcacant ggtcaaggaa ggtaaccctg 240
aancaggact tgtaaaagcaa ataanattgg gaggccaagg tgggtggatc acnaggctag 300
gagttcgaga ccaacttggc caacatagtg aaaccccgtc ttcttaaaaa tacaacaaaa 360
tt 362

<210> 205
<211> 581
<212> DNA
<213> Homo sapiens

<400> 205
gacaaaagaa ccatttggat acataggtat ggtctgagct atgatatcaa ttggcttcct 60

aggggtttatc gtgtgagcac accatatatt tacagtagga atagacgtag acacacgagc	120
atatttcacc tccgctacca taatcatcgc tatccccacc ggcgtcaaag tattttagctg	180
actcgccaca cttccaggaa gcaatatgaa atgatctgct gcagtgtctt gagccctagg	240
attcatcttt cttttcaccg taggtggcct gactggcatt gtattagcaa actcatcact	300
agacatcgta ctacacgaca cgtactacgt tgtagctcac ttccactatg tcctatcaat	360
aggagctgta tttgccatca taggaggcct cattcactga tttcccttat tctcaggcta	420
caccctagac caaacctacg ccaaaaatcca ttctactatc atattcatcg gcgtaaatct	480
aactttcttc ccacaacact ttctcggcct gtccggaatg ccccgacgtt actcggacta	540
ccccgatgca tacaccacat gaaacatcct atcatctgga g	581

<210> 206
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (121)..(121)
 <223> n is a, c, g, or t

<400> 206	
ttcaaattct tgntaanagt ctttgttctg aattttactt tgtctgttat tcctatagcc	60
tttccaattt tctttcgctt ggattttacg tgataagttt tttcccccat ttctacttta	120
ncaactctat atttttttagt tgagggtggg tttcttgtaa acagcatata atttgggttt	180
tttaattcaa tctgaaaatt aatgtcctta attttgtgtt tataccattt acacataatg	240
tactcatata taagggttaa ctgaaaccta ctatcttgct agttgtgctc tacttgaatt	300
tttttttagt attctgtttt aattgaccaa catttgactg tatctctttg tgtaattctt	360
ttacagggtg ctgtaggcac gacaatatat acacttaact tttctcagta cactgagagt	420
tgaaattgta gtactctcag gaaaacatag aaaacttgca atgatatcgg ttacatttta	480
ccacctccat atgttgcaat tattaatgt attagatctg cctacctga aaacctcatc	540
gtcttttaac tttgctctca atgggtgattc atatttttaa aaaaacttga ggcaa	595

<210> 207
 <211> 522

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (504)..(504)
 <223> n is a, c, g, or t

<400> 207
 tcgaccgggt ttggagcagt gccttgtttg ctgtgcagcg gatactctac aggtacattt 60
 ccttttttga accaaaaggg agggatttga caatattgat ggtagatctt ttttctttag 120
 caagaattaa ggatttttgt ggggtggggg aggccttctgt ggggaccaag acaatgtact 180
 gtcagtcagg atttaagtcg aactacctca tcccttgccc cagagaacag ttgatctgtt 240
 tttaaaccaa aagggtcggc atggagagag ggaggcggtg cattgcagct tccgatagag 300
 cttttttatt ttggatatca ggaaccaatt ttgaagattt cttaagaaag tcattttacat 360
 cagggacatg aagagcaaag taggtatttt tggtcagtac ttgaatttga taggctttat 420
 gcaaaacaact ctccctctgc tggagtctgg caagtttgct tttactgga cgctaattca 480
 agtgccatac aaaactaaaa taanagtttt acttataaca ca 522

<210> 208
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 208
 cagaaatcgc aattgaagac cagatttgtc aaggtttgaa actgacattt gatactacct 60
 tctcaccaaa cacaggaaaag aaaagtggta aaatcaagtc ttcttacaag agggagtgtg 120
 taaacctttg ttgtgatgtt gacttttgatt ttgctggacc tgcaatccat ggttcagctg 180
 tcttttggtta tgagggctgt cttgctggct accagatgac ctttgacagt gccaaatcaa 240
 agctgacaag gaataacttt gcagtgaggc acaggactgg ggacttcag ctacacacta 300
 atgtcaatga tgggacagaa ttgggaggat caatttatca gaaagtttgt gaagatcttg 360
 acacttcagt aaaccttgct tggacatcag gtaccaactg cactcgtttt ggcattgcag 420
 ctaaatatca gttggatccc actgcttcca ttctgcaaa agtcaacaac tctagcttaa 480
 ttggagtagg ctatactcag actctgaggc ctgggtgtgaa gcttacactc tctgctctgg 540
 tagatgggaa gaggattaat gctggaggcc acaagggttg gctcg 585

<210> 209
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 209
 gacacacgag catatttcac ctccgctacc ataatcatcg ctatccccac cggcgtaaaa 60

gtatttagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgtcc	120
tgagccctag gattcatctt tcttttcacc gtaggtggcc tgactggcat tgtattagca	180
aactcatcac tagacatcgt actacacgac acgtactacg ttgtagccca cttcccatat	240
gtcctatcaa taggagctgt atttgccatc ataggaggct tcattcactg atttccccta	300
ttctcaggct acaccctaga ccaaacctac gccaaaatcc atttcactat catattcatc	360
ggcgtaaatc taactttctt cccacaacac ttctcggcc tatccggaat gccccgacgt	420
tactcggact accccgatgc atacaccaca tgaacatcc tatcatctgt aggtcatttc	480
atttctctaa cagcagtaat attaataatt ttcattgatt gagaagcctt cgcttcgaag	540
cgaaaagtcc taatagtaga agaaccctcc ataaacctgg agtgactata tggatgcccc	600
ccaccctacc acacattcga agaa	624

<210> 210
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 210	
acctgagggc tcggtggggc cagtgcgacg ctggcttaag gagctggagg ggttccta	60
acacatttaa ttcagtttct ctccctaag aggtgcggc agtggggcc tctccagca	120
gagaccctcg gaccctgca gggcctggac ttggggtgaa cagggcttca gtcagcgcaa	180
gtattccatt tgcatttggg aatttttcat gccacctatt tatgaatata taaatcttta	240
taccaaactc attttttaaa acatggaaaa gttgccttta tggaaacttg cgagagccag	300
aggtgtacaca ttcttaaac attaaacaga ttctata	338

<210> 211
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 211	
ggataatgat acctctgacc tttcttcctt ttgggaagta cttgagtgtg cagctgcatg	60
aggcctcagc aggagagaga ttttaggtcc aagaagctat accagtagga caaggcagga	120
aaatactaca ctttcaggat caagcccctc tgactctcat ttggaaactg gatgtttgct	180
aagcacctgc ttcttaagga tgcgaggga tttaatgata ctccagaaa cctggagaga	240
ttaatggggc ctatggagaa gtgctctgaa ctgagtgttg ggacttgaat aaaattaacc	300
attgtcatgt tttcagaaca actaagctgt tttatatttc atgtgcatga aagccctaga	360
actaagtgtg gttatttcca gaaatgaaat agatcccaca gttagatgat gtggccatta	420
ggaagtacca aatttataaa aatcactgga ggtctgtctg agcagtacct aataaaatat	480
agtatactga aagtgaacag atctttgtct cttcttttgg ctgcttgata ctttatctgt	540

gtctgccgga cagtgc 556

<210> 212
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 212
 caataaaagc aggttaacct caatgatagc agttaaaatg ttctatctta tgtatttctt 60
 ttaagtatta ccattatggt gctactgagc gttttctttt ggtaaaaaga aaaatgccat 120
 gggctgcagt cttcttccat cacttttccc taccagggcc attaatatgc ttataacact 180
 agtgccagtt attttatttg ataatgctta tggattttgt atatttggtt gcattccaat 240
 tttgtttaat aatgagtgtg taaactgcat acgttaaata aatgtaaata ctaatgtact 300
 gctgc 305

<210> 213
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<400> 213
 ttttattacc caagttttaa cctctgtctg gtgatttggt gttgttggtg ttgngttgt 60
 tgttgaagtt caggctgcat gtgggatagg ttgctcagg catacttctt aggaagtagt 120
 cacttgcatg actgtttttg ggataactct ttgagtattt ggagaggctc attgtaacct 180
 ctgaaaggca ttgtttttac gtatgaatgt tctaaaattc attctaaatg gtcatgaaaa 240
 gaaaaggatt cacattttag aatgggcaata gtccctgagg actattatgt cttttagatt 300
 tcctgtgggt ttctaggaat gttagtgtaa cttanatttc cacctacctg atttctggat 360
 gtgcctattg gaacttgctg agatcttttt ttttccttaa catgttgccc ccttgacccg 420
 tacttcgaaa ctaaacatat tattttattt gcttacactt caggaggcaa ttggcagaca 480
 ccaggccaac agtct 495

<210> 214
 <211> 507
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 214
gctctgaccc cagttggaaa tgtatctgta ctttgtccgg cttccactca aggaccattt      60
atgacattgc ttggtgtcac ctgacagggg ctctggccac agcttgtggg gatgacgcga      120
tccgcgtgtt tcaggaggat cccaactcgg atccacagca gcccaccttc tccctgacag      180
cccacttgca tcaggcccat tcccaggatg tcaactgtgt ggccctggaac cccaaggagc      240
cagggtctact ggccctcctgc agtgatgatg gggagggtggc cttctggaag tatcagcggc      300
ctgaaggcct ctgagctacc tcgactttgg acagagtaat gactccccag aaaacgtcat      360
ataaactttt accagccctt gagaggacca ggaggagcat cttgacctt catttaactt      420
ggctcacttc tcttcanact tgggtagaag tgcagagcca caaaattgct ttccttcccc      480
gcctttgaca tgaggccttc agtaaag                                         507

<210> 215
<211> 17
<212> DNA
<213> Homo sapiens

<400> 215
tgcaggatcc gtcgact                                                         17

<210> 216
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (566)..(566)
<223> n is a, c, g, or t

<400> 216
gagaaatata agattatgta tagatcaaat ctacctctat ttggtgtcct gaaagagatg      60
aggagaatgg gacaaacttg gaaagcttat ttcaagataa cattcctgag aacttcccca      120
atcttgctag agaggccaac attaaaaattc agtaaatgct gaaaactcca gtaagatatt      180
tcttaagaaa attattccca agatatatac tcatcaaatt atctaaggtc aaatgaagga      240
aaaaatttta taggcagcta gagagaaatg tcaggtcacc tacaagaga atggcataag      300
acaaaaagta gaactccagc gagaaactct aaaagccaga agagattagg ggccaatatt      360
taacattctg aaagaaattc caacaaggaa ttcatatcc agccaaacta agcttcataa      420
ttgaaggaga aataagatat ttccagaca agcaaatgct gatgaaatcc atcaccacca      480
gacctgcctt ataagagctc ctgagggaag cactaaatat tgaaagggaag gaactttatg      540

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aaccatttca aaaacacatt taagtnca aagcag 576

<210> 217
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 217
 ccttatttta cagggtgaaa accacgaatc agatagattt ttatttgccc aagtcacata 60
 atattaagaa caggccaagt gtggtggctc atgtctgtaa tctgagcact ttggggaggt 120
 aaggcgggtg gatttcctga gcctaggagt ttgagatcag cctgggcaac atggcgaaac 180
 ctcatctcta caaaacatac aaaaattagt cagtgtggtg gtgagagcct gtagtcctgg 240
 ctactcgtga ggctgagggt ggagcatcac ctgagcctgg gaagtcgagg ctgcagtggtg 300
 aacagaatgg gtaacctgga catcagagtg agaccctgtc t 341

<210> 218
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (439)..(439)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (484)..(484)
 <223> n is a, c, g, or t

<400> 218
 ctcacacctg taattccatt actttggaag gctgagagag gaggatcagt ggagcccagg 60
 agtttgagac cagcctgggc aatataggga gaccctgtct ctacaaaaat gaaatagcca 120
 ggcgagggtg catgtgcctg tgggtccagc tacttgggag actgaggtgg aaggctgcct 180
 tgagcccagg agttccagcg tgcagtgagc catcattatg ccactgcact ccaacctggg 240
 agacagagtg agagagacc tgtctcaaac aaacaaacc aaaataggcc aggcacagtg 300
 actcatgcct gtaatcccag cactttggga ggctgaaata ggcgatcat ttgaggtcag 360
 gagtccaat tcaagaccag ccgccaac atggcaaac cacatctcta ctacaaataa 420
 aaaattagtt ggggtgtgng gagcattcct gtaatcacag ctattcagga ggctgaggca 480
 tganaaccgc ttca 494

<210> 219
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 219

taaatTTAAa	acattTTaAT	tagctggcat	gatggcatgc	acctgtagtc	ctacctactt	60
gggaggccAA	ggcaggaaga	ttgcttgagc	ccaggagttt	gagcttactg	tgagctgtga	120
tcacaccact	gcactccagc	ctgggtgaca	aaggaagacc	gtatttctaa	aaaataaaaa	180
atacaaatac	aactacaAAC	tagcactaga	ccaacagtga	ctatgtacca	tgaactgagg	240
aatattatta	attccaccat	ttgcatctga	ggttaacaat	atgtcaatga	cttaataaac	300
atcatatctc	tgagagtaat	ttctcctata	tttccatgac	aaatgttaga	taattttcca	360
ttttttccat	tcaacaaaa					379

<210> 220
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 220	ttttcaggca	tgtcagagaa	gggaggagctc	actagaatta	gcaaacaaaa	ccacctgac	60
	atcctccctc	aggaacacgg	ggagcagagg	ccaaagcact	aaggggaggg	cgcatacccg	120
	agacgattgt	atgaagaaaa	tatggaggaa	ctgttacctg	ttcgttacta	agtcattttc	180
	aggggattga	aagactattg	ctggatttca	tgatgctgac	tggcgttagc	tgattaaccc	240
	atgtaaatag	gcacttaaat	agaagcagga	aaggagagaca	aagactggct	tctggacttc	300
	ctccctgatc	cccactctta	ctcatcacct	gcagtggcca	gaattaggga	ctcagaatca	360
	aaccagtgtg	aggcagtgtc	ggctgccatt	gcctgggtcac	attgaaattg	gtggcttcatt	420
	t						421

<210> 221
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 221	gattaacttt	cattttaagc	tcttctctac	taattctgtt	cgtagtttta	ttcattttgc	60
	gttgatcata	ttttgtacac	caggcactct	tctcagtttt	atatgtgtgt	taatttactc	120
	ctttcaagag	ccctatgata	catgaattta	tctccatttt	atagatgagg	aaattaagac	180
	ctagagttag	tgaacttgcc	caagggttata	cagctgatgg	gtagggccag	aactttgcct	240
	cagagaatct	gaattttcaa	aaaataacct	aaaagagaaa	tttaagtact	aattagtaag	300
	caagaagaatg	cacatttaag	gaagacagtg	cacattttaag	gaagacagta	accttttatc	360
	tattagagaa	aaacacacat	tctgtcttta	acacacacat	aaatcttata	ttggcaggga	420
	ttttctttat	tcagcaatta	tttattggtt	gtctgctttg	tggtacacat	aaatgctggg	480
	gataaacact	taataaaata	tacttccttc	tcttgaatat	cttgcaattt	aagtgggaag	540
	gtaagtcaac	agagttaggg	tgatatatcc	aagtgataga	ctgtttcatt	gccagtag	598

<210> 222
 <211> 473
 <212> DNA
 <213> Homo sapiens

 <400> 222
 gttgcctgag agtgaccttt gcactgcct gtccagccag catggaacca aagcggatca 60
 gagagggcta ccttgtgaag aaggggagcg tgttcaatac gtggaacc accatgtgggtg 120
 tattgttaga agatggaatt gaattctata agaagaaaag tgacaacagc cccaaaggaa 180
 tgatcccgct gaaagggagc actctgacta gcccttgta agactttggc aaaaggatgt 240
 ttgtgtttaa gatcactatg accaaacagc aggaccactt cttccaggca gccttcctgg 300
 aggagagaga tgcctgggtt cgggatatca ataaggccat taaatgcatt gaaggaggcc 360
 agaaatttgc caggaaatct accaggaggt ccattcgact gccagaaacc attgacttag 420
 gtgccttata ttgtccatg aaagacactg aaaaaggaaat aaaagaactg aat 473

<210> 223
 <211> 392
 <212> DNA
 <213> Homo sapiens

 <400> 223
 tggtagtgaa cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt 60
 cccccattat tcttagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 120
 ctcccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcaactcatga 180
 gctgtcccca cattagcctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 240
 ttaccgcta cagcaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 300
 cacagtttca tgcccactgt cctagaatta attcccctaa aaatctttga aatagggcc 360
 gtatttacc tatagcacc cctctacccc ct 392

<210> 224
 <211> 618
 <212> DNA
 <213> Homo sapiens

 <400> 224
 tttttcttgt ttttgtgtgt ctaccttggc atatactaaa ggaagggtgt tattcattta 60
 ttacatgata tctctgggtt ataattattt acatatatga atttgaaaga aagattgaga 120
 gggatatgtg tgacctttgt ttcattatga tcattatcat gactaaagat aaagatcata 180
 tgtctgattt tcagtttaat ggcaagttac ttaaaataaa tgaatatgt ttttattgtt 240
 ttcgtgggtt tgatgctttg tgttttattt caagtaactt gagaatgcat tgtgtttggt 300
 actgtttttt atgaatatca ttaaaaattt atttaaggag agagtaattt tgcaataata 360
 tttttgattt atttgaatat aaaaattcaag ataaatgaaa taattgaaat tttctaaaga 420

aggaattgaa tatattttta catttgaatg aactaaggat taactgaacc atttatatat	480
agtactttca gaactgaatg tcttaaatga taaagctcta attggttaaa gtgactttct	540
ttcaagtcaa agaaccaga aactgaatag atgatctaac tactgccact gaggttttgg	600
attagtgagt ataaattt	618

```
<210> 225
<211> 17
<212> DNA
<213> Homo sapiens
```

<400> 225	
tcgaggatcc gtcgact	17

```
<210> 226
<211> 396
<212> DNA
<213> Homo sapiens
```

<400> 226	
gacaatcaga gcagatcttg ggcttctgtg gctcatctca gccctttata actggcctga	60
gaagaggggtt tatctacttg tgcaagtggc ccagaaatct cactcgtaca tgaggctttg	120
gaacatcctt gcaaaggtag gctgaaagca aattgctgtt ttcctgggtg tctgcacgt	180
ttcctaactt ttatcatagt ttgattttca ttatttaaga aaaaataaaa aatccaaaga	240
ccataagatg gcattagatt tttaccatt aaattattaa tgccattttg gtgctcataa	300
agattaatca tgtcacgcat gttccaatc tttcttttgc agtatattat tttctaaaaa	360
ttgttacatg caaatttaaa ccaagattta tcagta	396

```
<210> 227
<211> 535
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t
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<400> 227	
ttggaagaaa taaccaagg cagaaaaatt ttaaatggcc aaaataaatt gtattgctaa	60
cttagatggc cacagatggg ggcaggggtg gagagaggag aaattgaaaa cncacaaaag	120
accccgcaat ggctagaact tgaaatctct ggatattgca acaatagcag cctccttaag	180
tcagcaaaaa gataaagatt gatccaatgt tctatattac agaacagagc agattgtcaa	240

tatagcaaat aaagttaccg ttgagtggac tgcgctgtnt aagctgcttg gttggcctta	300
agtgccgaca attaagagat gaaggcaatg agaactgaaa caaacattta agttcaagac	360
ccagtttact gacactggga ctattactat atctctttgg gcctcagttt acttatctgt	420
aacattaaga ggttgggatta catgatgtct cacgattctt tttttttatt tagagatggg	480
gttttgctct gttgcccagg ctggagtgca gtggcatgat catagctcac agcag	535

<210> 228
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 228	
ccagcctgtc actggcctgg ccaaggagga gagacaggcc agggattctg gtcctaactc	60
tactggccac actgtgtggc ctgagacccc cctttccctc ccaagccctt gcctccgcat	120
ctgcgtgggt aaggccattg gccctcatcg gtggatctgc gtttcctcgg gcctacactg	180
tctaggattg tgcggggctg gtgagagaac aagatctctt ccgtgttcaa ggcagacttc	240
ctgccccctg caccctgctc tctcccaggc cttgaggta gtgtgagccc caagggcaag	300
aacacttctg gaagggagag tggatttggc tgggccatct ggatggaagg taaaaaaaaa	360
aaaatccctt gaaaggagat tgagggaagt tt	392

<210> 229
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 229	
aagagaaagg actcagtgtg tgatccgggt tctttttgct cgcccctggt tttttagaaa	60
tctcttcacg cttgacatac ctaccagtat tattcccagc gacacatata catatgagaa	120
tataccttat ttatttttgg gtagggtgtc gccttcacaa atgtcattgt ctactcctag	180
aagaacaaaa tacctcaatt ttgttttttg agtactgtac tatcctgtaa atatatctta	240
agcaggtttg ttttcagcac tgatggaaaa taccagtgtt gggttttttt ttagtgtcca	300
acagttgtat gtttgcgtat tatttatgac ctgaaataat atatttcttc ttctaagaag	360
acattttgtt acataaggat gactttttta tacaatggga ataaattatg gcatttttt	419

<210> 230
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (551)..(551)
 <223> n is a, c, g, or t

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<400> 230
ctgagagtc ctgtgttttt agccaaatct aaggagagaaa atgaatattg atagcagcat    60
gctgtagcca gtcctctaaa ggaaggatgg tgcctggtagc agagttagag ttagtgcttc    120
agtaataat gaatgtgtgc taggtaggtt ctgctgggta ggctgcattg attgaccaat    180
ttattcctcc ttgtttcaaa acaggattta agggcactta tatatatata ttttttagtt    240
tttttaattg aaatgagaga ataaagatat atatatatgt ctatatatgt atatatgtat    300
atatatgtct atagtctat atgtatatat gtctatatgt atatatgtgt gtgtgtatat    360
atatatatat atatatagt tttctgttgc tagcataaca aactaccaga aacttagcaa    420
ctgaaacaac atgaatttat cttacgggtc tatagttcag aagtctaacg tgtcactggg    480
atgaaatcca ggtttcaaca ggactggggt ccttcttagc tcattcagct acctggctca    540
ttcagggttg nggcagaata tacttccatg aaactgtagg gctgagaccc cgttccttcc    600
tggctatcat ctgaaaactt tc                                           622

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```

<210> 231
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 231
aggcgcagcc cagcctcgaa atgcagaacg acgccggcga gttcgtggac ctgtacgtgc    60
cgcggaaatg ctccgctagc aatcgcattc tcggtgcca ggaccacgca tccattcaga    120
tgaacgtggc cgagggttagc aagggtcacag gcagggttaa tggccagttt aaaacttatg    180
ctatctgcgg ggccattcgt aggatgggtg agtcagatga ttccattctc cgattggcca    240
aggccgatgg catcgtctca aagaactttt gactggagag aatcacagat gtggaatatt    300
tgtcataaat aaataatgaa aacctaaaaa aaaaaaaaaa aaaaaaaaaa    350

```

```

<210> 232
<211> 493
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

```

```

<400> 232
tncactcaca cactcccaaa ccttaacaaa cacatacatg tgcagccaac ccaatggggc    60
agcctctttt atgctcctca catgtttcct ttaactggaa taccatgac agctccctac    120

```

atagttactt gtaaaactcct cctctctgta taagttttcc tgaattttt tgataaaatt	180
aagttgtgcc acccccttat gctctcttan aactttgttc tgtctcatg gctgttctgc	240
aacgaatctc attgtgttct cctactcaat tacattcctg cgtctccac tagatggcag	300
actctttgag agtaggagat tcccttgta tctctggatc cctggcactt gcagaaagcc	360
tgttacgtaa taattgctca acaattagtt tttaaataaa tgaattattt ttaaaacgcc	420
aaaattacaa tgattgtgca ttaagtgaag gatgaccatc taaaacata aagccatgct	480
tcattgacatt ggc	493

<210> 233
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 233	
gaccattcag ggaaatttta taaaaaatgc agatactgtc ttgagcagat cgaaatgccg	60
atgaggtgga tgcaatttcc ttttgtcaa gcagtgacg gtgcccccc ctcgggtgtc	120
cgtgctgtgc cttagcttcc ccaggtgccg ggactcacac ctgctagggg ctgggcaagg	180
ccccggctct gcttctctg aagggtctgt ccaagtctat tgccctgtta caggtgttca	240
agacgtccg ccgccttgac ccaggctacc cttagccaat atcctctgcc cctgggtggt	300
tggtggctgg gcctcagggt gggaacgtt aggggtttgg cgaaagcccg ccccatggga	360
ttgagggacg gggctgcact ccaaccgtct gcacctgtc tccccacc cctgtgggac	420
ctcatcttca cgtgccatgt gtgctgaagg cccagggccc agcagggggc agtggcacct	480
gttgacggaa aagccgaggt gcttaccat ggacctctg gcccgccctc cctgtactt	540
gtcgggcatt cagggcccg acctgtgctt acccgca	577

<210> 234
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (430)..(430)
 <223> n is a, c, g, or t

<400> 234	
caactgtgtt cactagcaac ctcaaacaga caccatggtg cacctgactc ctgaggagaa	60
gtctgccgtt actgccctgt ggggcaagg gaactgtgat gaagtgtgt gtgaggccct	120
gggcaggctg ctggtgttct acccttgac ccagagggtc tttagtctct ttggggatct	180
gtccactcct gatgtgttta tgggcaacc taaggtgaag gctcatggca agaaagtgt	240
cggtgcctt agtgatggc tggctcacct ggacaacctc aagggcacct ttgccacac	300

gagtgcgctg cactgtgaca agctgcacgt ggatcctgag aacttcaggc tcctgggcaa	360
cgctgctggtc tgtgtgctgg cccatcactt tggcaaagaa ttcacccac cagtgcaggc	420
tgccatcan aaagtggctg ctgggtgggg ctaatgcctg gccccacaag tatcactaag	480
ctcgctttct tgctgtccaa tttctattaa aggttccttt gttccctaag tccaactact	540
aaactggggg atattatgaa gggccttg	568

<210> 235
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (292)..(292)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(321)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (323)..(323)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (328)..(328)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (422)..(422)
 <223> n is a, c, g, or t

<400> 235	
ttttttaatt tcacaaaaat ttgttgacgt cccttgattt gctgataggg acaataatta	60
aatatatttc acttgttttt ataaaaactg taatggtgat ttgtttaaca gatgttgact	120
tagcaccttc tctctttttt tttttttttt ttgagttgg agtcttgctc tgtcaccag	180
ctggagtgcg gtggcacgat ttcggctcac tgcaacctcc gcctcccagg ttcgggcgct	240
tctcctgcct cagcctccca natagtggg attacagtg catgccgcca cncctagcta	300
atgttttttg tatcttggtg nanatggngt ttcaccttgt tgcccatgcc gctcttgaac	360
tccttggcct cccaaagtgt taggattaca ggcgtgagcc actgtgcctg gccccaat	420
ancaccttac tgggtgctga ggctgtgagc catagtagaa tgcattgtgat ccagggcctt	480

gctgaattca tgggctaata gggagcctga c

511

<210> 236
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<400> 236
tgagcgttgg gctgtaggtc gctgtgctgt gtgatccccc agagccatgc ccgagatagt 60
ggataacctgt tcgttggcct ctcgggcttc cgtctgccgg accaagcacc tgcacctgcg 120
ctgcagcgtc gactttactc gccggacgct gaccgggact gctgctctca cggtcacgtc 180
tcaggaggac aatctgcgca gcctgggttt ggatacaag gaccttaca tagaaaaagt 240
agtgatcaat ggacaagaag tcaaatatgc tcttggagaa agacaagatt acaagggatc 300
gccaatggaa atctctcttc ctatcgcttt gagcaaaaat caagaaattg ttatagaaat 360
ttcttttgag acctctccaa aatcttctgc tctccagtgg ctactcctg aacagacttc 420
tgggaaggaa caccatatac tcttttagtca gtgccaggcc atccactgca gagcaatcct 480
tccttgtcag gacactcctt ctngaaatt aacctatact gcagaggtgt ctgtccctaa 540
agaactggtg gcacttatga gtgctattcg tgatggagaa acacctgacc ca 592

<210> 237
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (568)..(568)
<223> n is a, c, g, or t

<400> 237
cttanaagag ttgctcattc acaccacgc ccttgcccaa ggctggccca ctacagagcga 60
aacttaactt ttgtctggat gggaagagaa gtaagtctac cccgaggttg ccatgttgaa 120
gagtgaaggg tccaagtgat tctgtgcatt gaaaccaaga cccccaccc agaactctc 180
ttccctcctc cagcccaaac caaaggctgg ggttctcctc tccaagtggc tgttctccaa 240
ctttcccaag ccgcttgcat tcccagact ggactactgt ggcggttagg tttagattga 300

agacggggcc	caggctgggt	atgaacgggt	gcagccctct	tctcctcttc	ccccccacat	360
ctctcatgag	agaggtagtg	gcatttcctt	ctcaggggagc	ttcaatggga	aaggtctcga	420
aagcttcagg	aggagcagaa	taccaacgca	gggggatggc	tgtaacgac	tcacgtcttc	480
ctaacctcag	tccctttttt	gagagtgaat	ggtggagggt	gggaaagga	cccaaatgtg	540
tagatctctt	tgtctggggg	aggggaanga	tg			572

<210> 238
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 238						
ttaaaacagg	cgcaggggta	aaaatgagaa	tgaatctgaa	aaaagagagt	tggtgtttaa	60
agaggatgga	caagagtatg	ctcaggtaat	caaaatgttg	ggaaatggac	gattggaagc	120
attgtgtttt	gatggtgtaa	agaggttatg	ccatatcaga	gggaaattga	gaaaaaaggt	180
ttggataaat	acatcagaca	ttatattggt	tggtctacgg	gactatcagg	ataacaaagc	240
tgatgtaatt	ttaaagtaca	atgcagatga	agctagaagc	ctgaaggcat	atggcgagct	300
tccagaacat	gctaaaatca	atgaaacaga	cacatttggt	cctggagatg	atgatgaaat	360
ccagtttgac	gatattggag	atgatgatga	agacattgat	gatatctaaa	ttgaaccaag	420
tgtttttaca	tgacaagttc	tctgaggatg	gttctacagt	tgggattttg	gccatcatca	480
ac						482

<210> 239
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 239						
tttgaaggca	aagagggatt	aatctgtgct	ggcatcatgt	aaggagactt	gatagataag	60
aaaaagcttt	acctaagttt	tgaagaatag	gtttttcata	atggaaaatt	taagggaata	120
atctccaaaa	aagtgtactt	caagttttat	ccatttgat	ttccaacaca	gcctaggaca	180
gtacctgcac	atagtagggt	attaataaaa	atttagaag	cattaatact	aagaggaaa	240
aatagcaatg	gcaagaaaac	acatgtaggg	aacacatgta	gccaaaaaat	aatatataat	300
cagagaaata	ataggacttc	tggaaaaaaa	agatgagatc	agattggtta	ggacttttac	360
taacatgaca	agagcatgaa	ttttttttct	gtagataata	agtatgaaag	aatttttagct	420
taaaaattag	cataatttgg	atccacatat	gcaaatcaat	gaatgtaatt	cataatataa	480
acagaactaa	acacaaaaac	cacgtgatta	tctcaataga	cacagaaaag	gccttcaaaa	540
aaatt						545

<210> 240

<211> 624
 <212> DNA
 <213> Homo sapiens

<400> 240		
gacacacgag	catatttcac ctcgcgtacc ataatcatcg ctatccccac cggcgtcaaa	60
gtatttagct	gactcggcac actccacgga agcaatatga aatgatctgc tgcagtgtct	120
tgagccctag	gattcatctt tcttttcacc gtaggtggcc tgactggcat tgtattagca	180
aactcatcac	tagacatcgt actacacgac acgtactacg ttgtagccca cttccactat	240
gtcctatcaa	taggagctgt atttgccatc ataggaggct tcattcactg atttccccta	300
ttctcaggct	acaccctaga ccaaaccctac gccaaaatcc atttcactat catattcatc	360
ggcgtaaatc	taacttttctt cccacaacac tttctcggcc tatccggaat gccccgacgt	420
tactcggact	accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc	480
atttctctaa	cagcagtaat attaataatt ttcattgatt gagaagcctt cgcttcgaag	540
cgaaaagtcc	taatagtaga agaaccctcc ataaacctgg agtgactata tggatgcccc	600
ccaccctacc	acacattcga agaa	624

<210> 241
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 241		
caagatgaca	aagaaaagaa ggaacaatgg tcgtgccaaa aagggccgcg gccacgtgca	60
gcctattcgc	tgcactaaact gtgcccgatg cgtgcccaag gacaaggcca ttaagaaatt	120
cgctattcga	aacatagttg aggccgcagc agtcagggac atttctgaag cgagcgtctt	180
cgatgcctat	gtgcttccca agctgtatgt gaagctacat tactgtgtga gttgtgcaat	240
tcacagcaaa	gtagtccagg atcgatctcg tgaagcccgc aaggaccgaa cacccccacc	300
ccgattttag	cctgcggggt ctgccccacg tccccacca aagcccatgt aaggagctga	360
gttcttaaag	actgaagaca ggctattctc tggagaaaaa taaaatggaa attgtactta	420
a		421

<210> 242
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 242		
tgcttggccc	tctacctctt gccctcttcc tgttcatctc ccaaccactg cactcttgat	60
ttttatacca	cacagaaggt aagaaaattc taggaaccct aaggatcaat cctctccatt	120
ttcactcaaa	tgcttggggc ccagctctgc aatgactgac tccagggcct ctttctcac	180
tgccagcata	gaagtcaggg gagccagctg ggccctgcgg tcaggaaggt tctcatTTTT	240

ggagcattcc	ctgagcccag	atcataggag	cagctgtccc	tggtgggaca	caggagtcac	300
gactcctacc	ctccaccctc	cacaccacc	aggcatttag	cagtctgtcc	tatgcaagac	360
agatgaattc	tcagccagga	tacctaagg	caggcaaaagg	tgagtggagg	gaaaattcac	420
aaacattcag	ggtgtgtggt	gctggcatca	ccatgggcaa	atccaagagg	tcttcctgga	480
agagggccca	aactggaacc	aaaagaatgc	tgtcagcagt	tggaatagag	ctgtgaatt	539

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<210> 243
<211> 397
<212> DNA
<213> Homo sapiens
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<400> 243		
ctttccaaga	ggaatcctcg	gcagataaac
tggaactgtcc	tctacagaag	gaagcacaaa
		60
aagggcagct	cggaagaaat	tcaaagaaa
agaacccgcc	gagcagtcac	attccagagg
		120
gccattactg	gtgcatctct	tgctgatata
atggccaaga	ggaatcagaa	acctgaagtt
		180
agaaaggctc	aacgagaaca	agctatcagg
gctgctaagg	aagcaaaaaa	ggctaagcaa
		240
gcatctaaaa	agactgcaat	ggctgctgct
aaggcaccta	caaaggcagc	acctaaagcaa
		300
aagattgtga	agcctgtgaa	agtttcagct
ccccgagttg	gtggaaaacg	ctaaactggc
		360
agattagatt	tttaataaaa	gattggatta
taactct		397

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<210> 244
<211> 542
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (535)..(535)
<223> n is a, c, g, or t
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<400> 244		
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acaagagcct	caacatttta	aagattttct
		60
gcatctcaaa	agcgtaggct	ccttgctggg
caaggtgagc	ctctgtgagt	cctcatagga
		120
ccgagcaaat	ctgattcacc	ccagaaaatc
caatatcgaa	gctgagcttt	ggcctgagcg
		180
ggttccattt	ctccccaga	tcctatttag
gaagtgtctc	ctgacaacct	ccaaaagggtg
		240
ctaacaatga	acgttctgaa	gggttattgc
tcaaaaacaa	gatttttcctt	gtggtaagaa
		300
ctctgcgagc	ctcgaacacg	atgaatccgc
tcgaatgggc	ttgggctttg	ccggggtggc
		360
gcacgctcac	acgctggaag	cacagctttg
acgatctcca	cacacgcaca	ggcacacacg
		420
ccacagatga	tgccggctca	ttctcagggg
gtgtctaagt	tctgctttaa	atatttacc
		480
cctaattgtg	caaacaatag	gggcatgagc
ctgggtactcg	ataaatgggg	acttnccttaa
		540
aa		542

<210> 245
 <211> 649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (615)..(615)
 <223> n is a, c, g, or t

<400> 245
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 gggcggcgtg tatgccacgc gctcctctgc cgtgcgcctg cggagcagcg tgcccgggggt 120
 gcggctcctg caggactcgg tggactttct gctggccgac gccatcaaca ccgagttcaa 180
 gaacaccgcg accaacgaga aggtggagct gcaggagctg aatgaccgct tcgccaaacta 240
 catcgacaag gtgcgcttcc tggagcagca gaataagatc ctgctggccg agctcgagca 300
 gctcaagggc caaggcaagt cgcgcctggg ggacctctac gaggaggaga tgcgggagct 360
 gcgccggcag gtggaccagc taaccaacga caaagccgcg gtcgaggtgg agcgcgacaa 420
 cctggccgag gacatcatgc gcctccggga gaaattgcag gaggagatgc ttcagagaga 480
 ggaagcggaa aacaccctgc aatctttcag acaggaaatc caggagctgc aggtcagat 540
 tcaggaacag catgtccaaa tcgatgtgga tgtttccaag cctgacctca cggctgcctt 600
 gcgtgacgta cgtancaata tgaaagtgtg gctgccaaaa accttgacg 649

<210> 246
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 246
 gagatgtctc gctccgtggc cttagctgtg ctgcgcgtac tctctctttc tggcctggag 60
 gctatccagc gtactccaaa gattcaggtt tactcacgtc atccagcaga gaatggaaa 120
 tcaaatcttc tgaattgcta tgtgtctggg tttcatccat ccgacattga agttgactta 180
 ctgaagaatg gagagagaat tgaaaaagtg gagcattcag acttgtcttt cagcaaggac 240
 tggctcttct atctcttgta ctacactgaa ttcaccccca ctgaaaaaga tgagtatgac 300
 tgccgtgtga accatgtgac tttgtcacag cccaagatag ttaagtggga tcgagacatg 360
 taagcagcat catggagggt tgaagatgcc gcatttgat tgatgaatt ccaaattctg 420
 cttgcttgct ttttaatat gatagctta tacacttaca ctttatgcac aaaatgtagg 480
 gttataataa tgtaaacatg gacatgatct tctttataat tctactttga gtgctgtctc 540
 catgtttgat gtatctgagc aggggtgctc acaggtagct ctaggagggc tggcaactta 600

<210> 247
 <211> 331
 <212> DNA
 <213> Homo sapiens

 <400> 247
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 aagcctaatt ttgccaaata ataaaaacag aaggaaattg agattagagg gaggtgttta 120
 aagagaggtt atagagtaga agatttgatg ctggagaggt taagggtgcaa taagaattta 180
 gggagaaatg ttgttcatta ttggagggtta aatgatgtgg tgcctgaggt ctgtacgtta 240
 cctcttaaca atttctgtcc ttcagatgga aactctttaa ctctcgtaa aagtcataata 300
 cctatataat aaagctactg atttccaaaa a 331

<210> 248
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 248
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 41

<210> 249
 <211> 425
 <212> DNA
 <213> Homo sapiens

 <400> 249
 caaaaaaacg aagaaaagtg acgacagtct gagggactta tgggagatca tcaagtgaac 60
 cactatatgt gtaatgtaag tcttggaatg agaagagaga aggagaagga ggagagagct 120
 tatttgtaga aataatggct gaaaacatcc caaacttttc tttttttgag gaaagaaata 180
 ggcatacaag ttcaagaaac tcaaggaact ccagagagga caattctaaa gacacccccct 240
 ctaacataca ttataatcaa attgtcaaaa gtaaaatata aagagaatct ttttaattga 300
 caagagaaaa gcagctggct acgttcaagg gagttctata agaatttcag cagatttctc 360
 agcagaaacc ttgcaggcca acaggcagtg ggatgatata ttcaagtgc aaaaaaaaaa 420
 aaaaa 425

<210> 250
 <211> 633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (604)..(604)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t

<400> 250
cgagagt tta ccagtn cct aataatgcaa taaaaaatgc ttgagatag ctaacngccc 60
ataaaacaaa ctcaaattgc ttataaagtt tcttcccatg tcccatttg atgaaaagtc 120
ttacatcaca tataactggg aagcaggggg cctcctcaa ttttcagaca ttttgaaagg 180
atgacagttc tgtttgttag atgagtaaac ctctatattc ataagt tcta aaatccttca 240
ttatgagggg ttcaaagtat ttataaaaac actgccctct aaaaatttcc tcagatctga 300
agtatgg nct tggncctgaa tatacagtgt taccctatgt taaaagggt gatccagaca 360
tgagacgcaa ctagtgtgtg cataagaagg cccacttgg ctatttcata tctacctaca 420
attgaccaa aaaaattttt taggccagca attattattt agcttcgctc tttctagtgc 480
aagaaactgc aggctggatc agtagttcaa cagctaaaca gtcataaaat agtcattggc 540
atgttaaatt tctttcaatg ctcaaagat aaattccaat tctatttact tattcattgn 600
gacngnatta ctaaacaggt aaggatggga ata 633

<210> 251
<211> 251
<212> DNA
<213> Homo sapiens

<400> 251
ctttgggagg ccgaggcggg cggatcactt gaggtcaggg gttcgagacc agtctggcca 60
acatggtgaa accccaactc tactaaaaat acaaaagtta gccaagtgtg gtggcaagtg 120
cctgtaatcc cagctactcg ggaggctgag acaggagaat cactttgaac ctgggaggcg 180

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gaggttgag tgagccaaga tcgtgccact gcacttcagc ctgggcaaca gagcaagatt 240
ccgtccatct c 251

<210> 252
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (569)..(569)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (588)..(588)
<223> n is a, c, g, or t

<400> 252
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ctctccagg ttatagctgt aaatagctgt ttttatgcaa gattagttag atactgctct 120
ttacaggatg agtggtgttg tctttggctg ggggggncct aaatgtgttt ctaatgtgtg 180
tgtaaaataa ttacctgtta aacagactgc caatctggct gaagccaatg ctctgaaga 240
agataaaatt aaagcaatga tgcgcaatc tggccatgaa tacgacccaa tcaattacat 300
gaagaaacct ctaggctcac cacctccatc ttacacgtgt ttccgtttgtg gtaaacctgg 360
acattatatt aagaattgcc caacaaatgg ggataaaaac tttgaatctg gtcctaggat 420
taaaaagagc actggaattc ccagaagttt catgatggaa gtgaagatc ctaatatgaa 480
agggtcaatg cttaccaaca ctggaaaata tgcaatccaa ctatagatgc agaagcatat 540
gcaattggga agaagagaa acctccttnt taccagagag ccattcttnt tct 593

<210> 253
<211> 211
<212> DNA
<213> Homo sapiens

<400> 253
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caataattaa aaacaactca actcactgtc ctctgcctt gaatttgatc attgcgcttt 120
gcatgtatgt atcacaatac cacatgtacc ccataaatat gtacaagat tatgtgtcaa 180
taaaaacaa aaattaaaaa cccaattttt a 211

<210> 254

<211> 247
 <212> DNA
 <213> Homo sapiens

<400> 254
 gttgctagta gcggcaggaa gatgtcaggc tcactttcct ctgattcccg aaatggggg 60
 aacctctaac cataaaggaa tggtagaaca gtccattcct cggatcagag aaaaatgcag 120
 acatggtgtc acctggattt ttttctgcc atgaatgttg ccagtcagta cctgtcctcc 180
 ttgtttctct atttttggtt atgaatgttg gggttaccac ctgcatttag gggaaaattg 240
 tgttctg 247

<210> 255
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 255
 gtcccggga atcgcggccg cgctgcacggt ttattttcag tgcttgaaga tacattcaca 60
 aatacttggg ttgggaagac accgtttaat tttaagttaa ctgtcatgtt gtaaatgcgt 120
 tttatgttta aataaagagg aaaattttt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 tttt 244

<210> 256
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 256
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 aactgcagtc tgtgcaggct gactccata gagctcactt ggccaaactg atttccttaa 180
 ataaagtgtc gtgatttcca atgtaggaaa tattacatta gagcctattg aaatgattag 240
 gaattgagga gcttttcttt aggtgggaat gtgggtgatg ctgtatactc acaaaagtga 300
 gatcattaat attgcattga ctactttgaa tatcaggggac cacagagaaa tagcatgaga 360
 aacgccttcc tgcagtcagt cacttaaaat gaatatgaac aaaaatgtgg aactctgctg 420
 tcatagctct ccg 433

<210> 257
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 257
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ttgaaagata gagattaata caactcttaa aaaatatagt caatagggtta ctaagatatt	120
gcttagcggt aagtttttaa cgtaatttta atagcttaag attttaagag aaaatatgaa	180
gacttagaag agtagcatga ggaaggaaaa gataaaaagg ttctaaaaca tgacggagggt	240
tgagatgaag cttcttcacg gagtaaaaaa tgtattttaa agaaaattga gagaaggac	300
tacagagccc cgaattaata ccaatagaag ggcaatgctt ttagattaaa atgaagggtga	360
cttaaacagc ttaagttta	380

<210> 258
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (523)..(523)
 <223> n is a, c, g, or t

<400> 258	
gacctttgag aaaattaatt taaatcctag aactttgggt gaaccgaaga aatttataat	60
atttgtttag ttaataacag ataaaaagga aagattcaag cctattggat gagaatttgt	120
acattatitt agagctaata ataatgggtt tcagtttagt gaggatttaa aaaatgtttt	180
tgaatcaaac tttttttctt tataatcctt tttaactaac tcaggaaata aggtattatg	240
aaatccacac actgttacct ccttaagta tgaggatact tcccactgtt tgggtccacta	300
gtggctgatt attttgtttg tggattattt gtaattttct ttttaattct tccttaaaga	360
gcatggcatt tggagtcaca gacctatatt tgaatcctgt catttactag cgttttgacc	420
ttgaacaatt atgctcagag tctcagtttt ttcttgtaaa gtgatgatga tactacttaa	480
ctcacagggt tgtagtgaag atcaaatgag atcatgtctg tanaacacc gcgccggcac	540
tcaataagta ttaataggaa cccatatacc tc	572

<210> 259
 <211> 477
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 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

<400> 259	
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aaaaaagaa gatgcacttt ctgtaacttt gtctaaggat ttaaattact aacttatgaa	120
ctccaatttg aattgaacct aactatcggc tttcttactg gtaaaattat atggtttatt	180

ttaaattgcgt acatattgac caatggcctc tgaaaaagca cattttagat actgaaattg	240
aagggaagaa aatgcatctt caaacatttt ttggaatctc accacatata cttttgtana	300
tttgtgtatt gtagggtggt tgttttgat ttttgtatt tatatgaact ttttttaaat	360
gtgacagtta aacacatctt taaaagcata gtcacagaca aaagcataca gtataaaaat	420
ttccttgaaa actcctacaa tattatattt ggaggcagct tcagactggt ttattgg	477

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 <212> DNA
 <213> Homo sapiens

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 <223> n is a, c, g, or t

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (254)..(254)
 <223> n is a, c, g, or t

<400> 260	
ctctggcaca cattagtctc tcttatatta cattgatata agcaagtcac atggatttat	60
ctgagtgtaa ggagagctgg aaaaaatagt ttctagcagg tcagccacct cccagtggag	120
gctgcatacc atagaagggg agaatgaatt ttgggaaaac aggtaattat ctctgtcaca	180
gaaggggatg aaaagtatgg tagttacnca agttanacat ctgtatggaa aataccactt	240
ggttctacaa atngng	256

<210> 261
 <211> 627
 <212> DNA
 <213> Homo sapiens

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 <223> n is a, c, g, or t

<400> 261	
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ctgccaccac gccttgcaaa tttttgtgtt tttagtgag atgggggttt gccatgttg	120
ccaggctggt ctggactcc tgacctcagg tgatccgcc gcctcagct cccagagggc	180
tgggattaca ggcgtgagcc actgtgcctg gcccgaagtt ttgcatcttt taatgcctc	240

tgaacaaata catagagaaa actctcagaa caattaaaac ctgcagagca acagtgtcct	300
ccatgtctta ggtttcaagt ttgcctctaa aattctaatac catatttttc tactttctcag	360
ataatttatg tgtgtgtact ctctctagac gtacaagaga ctttttaaatg ctaaatattt	420
gtcagtgtctt aacaaaaact caatttcaca ttactcatat tgtttttgtt ttaattgaat	480
gtgaattaaa tttttattag ttattttgatt tggaaatgta tgtatgccat taacactatt	540
aggggaatct ctagcatcttc tgtattttta aagaatttga ttcttttgta nattctgcct	600
gtgtggcatt ttaaacatgt gtgacat	672

<210> 262
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 262	
accggcgaca tggccaaacg taccaagaaa gtcgggagtc tcggtaaata cgggacccgc	60
tatggggcct cctctcggaa aatggtgaag aaaattgaaa tcagccagca cgccaagtac	120
acttgctctt tctgtggcaa aaccaagatg aagagacgag ctgtggggat ctggcactgt	180
ggttcctgca tgaagacagt ggctggcggg gcctggacgt acaataccac ttccgctgtc	240
acggtaaaat ccgccatcag aagactgaag gagttgaaag accagtagac gtcctctac	300
tccttgagac atcactggcc tataataaat gggttaattt atgta	345

<210> 263
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 263	
ataattcaga acttcttcat atgctcgagt ctccagagtc actccgttct aaggttgatg	60
aagctgtagc tgtactacaa gccaccaag ctaaaggagg tgcacagaaa gcagttaaca	120
gtgccaccgg tgttccact gtttaaaatt gatcaggagc catgaaaaga aacttgtgct	180
tcaccgaaga aaaatatcta aacatcgaaa aacttaata ttatggaaaa aaacattgc	240
aaaatataaa at	252

<210> 264
 <211> 294
 <212> DNA
 <213> Homo sapiens

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<222> (36)..(36)
<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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agaagaccct atggagcctt aatttattaa tgcaaacggg acctaacaaa cccacaggtc      120
ctaaactacc aaacctgcat taaaaatttc ggttggggcg acctcggagc agaaccacac      180
ctccgagcag tacatgctaa gacttcacca gtcaaagcga actactatac tcaattgatc      240
caataacttg accaacggaa caagttaccc tagggataac agcgcaatcc tatt          294

<210> 265
<211> 370
<212> DNA
<213> Homo sapiens

<400> 265
ggctgattcc tgagctataa aagcataatt gctttatatt ttggatcatt ttttactggg      60
ggcggacttg ggggggggtg catacaaaga taacatatat atccaacttt ctgaaatgaa      120
atgtttttag attacttttt caactgtaaa taatgtacat ttaatgtcac aagaaaaaaa      180
tgtcttctgc aaattttcta gtataacaga aatttttgta gatgaaaaaa atcattatgt      240
ttagagggtc aatgctatgt ttcatatta cagagtgaat ttgtatttaa acaaaaattt      300
aaattttgga atcctctaaa catttttgta tctttaattg gtttattatt aaataaatca      360
tataaaaatt                                     370

<210> 266
<211> 353
<212> DNA
<213> Homo sapiens

<400> 266
caggaagtca cctgggattg gctgcctcac ccactcacag tgccatccct gccccaggcc      60
tcccagtggc aattccaaac ctgggtccct ccctgagctc tctgccttct gctctgtctt      120
taatgtacc aatgggtatt ggggatcgag ggggtgatgt tgggttacct gaaagaaact      180
acaccctacc tcaccacac taccctcacc tggagagcag ttatttcaga accattctac      240
ctggcatttt atcttattta gctgacagac cacctccaca gtacatccac cctaactcta      300
taaatgttga tggtaatata gcattatcta tcaccaataa cccttcagca cta          353

<210> 267
<211> 433
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcccagtggc aattccaaac ctgggtccct ccctgagctc tctgccttct gctctgtctt 120
taatgctacc aatgggtatt ggggatcgag gggatgatgtg tgggttacct gaaagaaact 180
acaccctacc tcaccacact taccctcacc tggagagcag ttatttcana accattctac 240
ctggcatttt atcttattta gctgacagac cacttcaca gtacatccac cctaactcta 300
taaagtgtga tggtaataca gcattatcta tcaccaataa cccttcagca ctagatccct 360
atcagtccaa tggaaatgtt ggattanaac caggcattgt ttcaatanac tctcgctctg 420
tgaacacaca tgg 433

<210> 268
<211> 683
<212> DNA
<213> Homo sapiens

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<222> (124)..(124)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <222> (669)..(669)
 <223> n is a, c, g, or t

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 <222> (675)..(677)
 <223> n is a, c, g, or t

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 gctaaacaga atactgctat ttgagagag tcaagactct ttcttaaggc ccaagaaagc 120
 cacntgnnc ctngnctaa tctggctgag tagtcagtta taaaagcctt aatngctttn 180
 tntttggnnt cnttttttnc nggggncggn ctggggggg gttgcntcca aagatancat 240
 ntntttccaa ctttntnaan nnaanngttt taaaatccct ttccnccng aaaaanngc 300
 cctttaagng ccncaaaaa aaanngtntt ctgcantttt tctantatna caaanntttt 360
 ngtagaanaa aaattttttt ttagnggcta cccttttttt ntanncann ggagtttntt 420
 tttaaaaaaa aaaaanattg ggncccttcc acaaccttgg gtctntaatn ggggggtttt 480
 taataaaanc ntntntaaat ccccnnnnnn nnnncnnnnn nnnncnnnnn nnnnnnnnnn 540
 cccnnnnnaa aaattttttc tccccnccc tttttcttcc tgccggcccc aatttaagcc 600
 cnggcgcttg gggcaaatcc ccctttagng ggggggttta naaaaaccng gggcggggnt 660
 ttaaaaccnc ggggnnnngg gaa 683

<210> 269
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 269
acctctagca tcaccagtat tagaggcacc gcctgcccag tgacacatgt ttaacggccg      60
cggtacccta accgtgcaaa ggtagcataa tcacttgttc cttaattagg gacctgtntg      120
aatggctcca cnagggttca cttgtctctt acttttaacc agtgaaattg acctgcc          177

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<223> n is a, c, g, or t

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aacatcatgt cgagaatcat tggaagatat acagagttcg tatttcagct ttgtttatcc      120
ttcctgttaa gagcctctga gtttttagtt ttaaaggat gaaaagctta tgcaacatgc      180
tcagcaggag cttcatcaac gatatatgtc agatctaag gtatatattc attctgtaat      240
tatgttacat aaaagcaatg taaatcagaa taaatatgtt agaccagaat aaaattaatt      300
atattctggt cttcaaaagg cacacagaac agatatcagc agaatcactt aatacttcatt      360
agaacaaaaa tcaactcaaa cctgtttata accaaagaat tcatgaaaaa gaaagccttt      420
gccatttgtc ttgaaagtt attttttaaa aaaaaatcat acttactatt agtatctatg      480
gaagtatatg taacaatttt tatgtaaagg tcattcttct gtgatagtga aaaaatatgt      540
ctttactaag ttgaaatgaa tactttctgn ctttgctaag ggatagttat t          591

<210> 271
<211> 329
<212> DNA
<213> Homo sapiens

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acagcaagta gcagtgtcac gccttagcgc ttccagctcc agctcagatt ccagctcctc      120
ctcttctctg tcgtctgtctt cagacaccag tgattcagac tcaggctaag gggtcaggcc      180
agatggggca ggaaggctnc gcaggaccgg acccctagac caccctgccc cacctgcccc      240
ttcccccttt gctgtgacac ttcttcatct ccccccccc tgccccctc taggagagct      300
ggctctgcag tgggggaggg atgcaggga                                         329

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<211> 688
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gacaaaaaaaa aaaaaaaaaa aaaaaaaaaa aantntagac tcgancaagc ttatgcangc 120
ntgcgccgcg aattcgcgtc cggccgactt ggccaattcg ccctatagng agtcgtatta 180
caattcactg gccgtcggtt tacaacgtcg ngactgggaa aaccttggtc ttaccgaact 240
taatcgctt gcagcacatc cccctttcgc cagctggcgt aatancgaan aggcccgcac 300
cgatcgccct tccaacagt tgcgcagcct gaatggcgaa nggaaattgt aagcgtaaat 360
attttgttaa aattcgcgtt aaattttgt taaatcagct cattttttaa ccaataggcc 420
gaaatcggca aaatccctta taaatcaaaa gaatagaccg agatagggtt gagngttggt 480
ccagtttggg acaanagtcc actnttaaag aacnggact ccaacgtcaa agggcgaaaa 540
accgtctatc agggcgatgg cccactacgt gaaccatcnc cctaataag tttttgggg 600
tcgaggngcc gtaaacact aaatcggaac cctaaaggga gccccgatt taaagcttga 660
cggggaaagc cggcggaacg tggcgaaa 688

<210> 273
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 273
cacctgcagt ccaagtacat cggcacgggc cagccgaca ccaccaagtg ggagtggctg 60

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gtgaaccaac accgcgactc gtactgctcc tacatgggcc acttcgacct tctcaactac 120
ttcgccattg cggagaatga gagcaaagcg cgagtccgct tcaacttgat ggaaaagatg 180
cttcagcctt gtggaccgcc agccgacaag cccgaggaaa actgaaactt tgcttaacna 240
ccgaatggng ggganctttt ccaacgnttt t 271

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<210> 274
<211> 213
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (21)..(21)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

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<400> 274
ttggtttcat actgntgggg nttgaatgnt cccncaaca ctnatgttga nacttaatcc 60
ctaattnggc aatactgaaa ggtggggcct ttgagatgtg attggatgtg aaggctgtgc 120
cttcattcat gggttaatgg attaatgggt tatcacagga atgggactgg tggctttata 180
agaagaggaa aagagaactg agcttgcattg ccc 213

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<210> 275
<211> 545
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

```

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<400> 275
gtggaagnga catcgtcttt aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc      60
canggaagac agggcgacct ggaagtccaa ctacttcctt aagatcatcc aactattgga      120
tgattatccg aaatgtttca ttgtgggagc agacaatgtg ggctccaagc agatgcagca      180
gatccgcatt tcccttcncg ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg      240
caaggccatc cgagggcacc tggaaaacaa ccagctctg gagaaactgc tgccctcatat      300
ccgggggaat gtgggctttg tgttcaccaa ggaggacctc actganatca gggacatggt      360
gtggtccaat aagggtgccg ctgctgcccg tgtgggtgcc attgccccat gtgaagtac      420
tgtgccagcc cagaacactg gtctcgggcc cgataagacc tcctttttcc aggctttagg      480
tatcaccact aaaatctcca ggggcaccat tgaatcctg agtgatgtgc actgatcaag      540
actgg                                             545

```

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<210> 276
<211> 260
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 276
ggaaagggcc attttattgc ctaaaaccac ctggnnttttn aggtaacagt tccaacatgt      60
ccttttttga atagctgttc taattattat atattcagct gattaatagg agtacttgat      120
agggtggactg tgtcaggtag cctcaggcaa tcctacttca acaagctgtc agggagccat      180
gccatgcttc tttatgacat aggtgaattt gataggctca ctagcagaac atggggatcac      240
aagggtggaac cnttcnnttt                                                    260

<210> 277
<211> 603
<212> DNA
<213> Homo sapiens

<400> 277
gacctcttcc ttacacctta tacaaaaaaa ctgaaactgg accccttctt tacaccttat      60
acaaaaatta actcaatttt attatgttgt attaaattaa gttgggttta attaagatgg      120
attaaagact taattataag acctaaaacc ataaaaacc tagaagaaaa ctaggccat      180
accattcagg acacgggtat gggcaaagac ttcataacta aaacaccaa agcaatggca      240
acgaagtcca aatagacaaa ttggacctga ttaactaaa gagcttcagc acagcagaag      300
agactatcgt cagagtgaac aggcaaccga cagaatggaa gaaaattctt gcaatctatc      360
catctgacaa ggggctaata tccaaaatct acaaagaact taaacaaatt tacaaggaaa      420
aacacaaaca accccatcaa aaagtgggct aaggatgtga acagacactt ctcaaaagaa      480
aacattttatg cagccaacaa acatgaaaaa aagttcatca tcatgtctca tttagacat      540
gcaaatcaaa accacaatga gatcccatcc cacaccagtt agaatggcaa tcattaaaaa      600
tgt                                                                    603

<210> 278
<211> 268
<212> DNA
<213> Homo sapiens

<400> 278
tttatgtgtt tttgcttggg gggcgctggg cctagcccag agtagtgctt gctccccctg      60
ccttgctcca ccaggaggcg agcagactca ggccctccat ggtctctttt gtcattttgt      120
tgacatgcat tcctcctttt gtcattctgt tggggggagg ggattaacca aaggccaccc      180
tgactttgtt tttgtggaca cacaataaaa gccccgttta ttgtataaaa aaaaaaaaaa      240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                                    268

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<210> 279
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 279
 ctttagccag cctgatcaga aaaaaacaaa agaagaggaa agacgtagat taccaacatc 60
 aagaatgtga gttatgatat cactacagac tctccaggta ttaaaagcat aattagagaa 120
 tgatatgagc agctatatgc aaataagttc aacattggac aaatggacaa atttcttgaa 180
 agataaatta tgaattttca ttctgaaaga actacatgac cttaattgtc ttacatctat 240
 taaataagtg gaaattgtag tttagaaact ttcccacaaa gaaaactcta ggcccagatg 300
 gcatcaaaaat aatattcaga tgaatgaaat ggagaaagga tagccttttc aacaaatggt 360
 ggtggaacaa ttggattttc atatgcaaaa aaatagagat ggacgcagag gtgtgtgctt 420
 aggaggtcta ggtgagagga ttgtttgagg ccagcctggg caacatagca agacccatt 480
 tcaaaacaaa aaataaagaa cttgtagcct taccttgtgc catattatga aaatgtatca 540
 taggcttaaa tgtgaaacgt aaaacaaaa 569

<210> 280
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 280
 cgcaggggct tctgctgagg gggcaggcgg agcttgagga aaccgcagat aagtttttt 60
 ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag 120
 atattgctta gcgttaagtt ttaaacgtaa ttttaatagc ttaagatttt aagagaaaat 180
 atgaagactt agaagagtag catgaggaag gaaaagataa aaggtttcta aaacatgacg 240
 gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaagaaa attgagagaa 300
 aggactacag agccccgaat taatactaata agaagggcaa tgctttttaga ttaaaatgaa 360
 ggtgacttaa acagcttaaa gtttagttta aaagttgtag gtgattaaaa taatttgaag 420
 gcgatctttt aaaaagagat taaccgaag gtgattaaaa gaccttgaaa tccatgacgc 480
 agggagaatt gc 492

<210> 281
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 281
 cgaaaagcaa atataacttg ccactaacca agatcacctc tgcaaaaaga aatgaaaaca 60
 acttttgga ggaattctgtt tcattcgaca gaattcagaa gcaggaaaaa aagcctttta 120
 aaaaatccga gaacattaaa aattcgcatt tgaagaaatc agcatttcta actgaagtga 180

gccaaaagga aaattatgct ggggcaaagt ttagtgatcc accttctcct agtgttcttc	240
caaagcctcc tagtcactgg atgggaagca ctgttgaaaa ttccaaccaa aacagggagc	300
tgatggcagt acacttaaaa acgctcctca aagtccaac tttagatttca gattt	355

<210> 282
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 282	
ccggtctcta cacaatatat agaaatctgg gcatgggtgg gcctgggtgt agtctcagct	60
acctagtgtg gtgaggtggg agagtcgctt gagtcctgga gggtgaggct gtatgtgagcc	120
agggctgcac cactgcattc cagcctgggt aacagagtga gaccctgtct caaaaagaaa	180
aaaaaaaatt gctaatttta acaaatcaca aaactgactc aggcaagttg tctgactcaa	240
aagcccttga aaaaccatca aagacagtag aatgttaact ggtcatttac gtaaaatagt	300
gttcattaaa tttttggttc atttaggata atcattttaa atgagactgt atttgagact	360
gtatacacat acatatatat gtttacacac atatacgtac aatatatgta cattctatct	420
aaaagatcat acatgtgtgt acatatatgt ttttaaaagt caaactgaca tattaatgga	480
aacagtgtct acatctctgg tagtgatttt ctattagcag cagccctaca tatgtgcgt	540
ctctgaacag catgtcagtg ccatgactgt ctaaacatgc aaatatgact gacagactct	600
tgagacagct ttcaccttg	619

<210> 283
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(18)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<400> 283	
aattcnggnc cgcgtcnccc tangaggcac caggaaatcc cgcggggtgg cccatgcaga	60

ccaggcgcac	gtggctcatg	gggcanaatt	gccaggaca	gctcacgaca	gtgccacctt	120
ctcaccattc	cagccaagga	gagatgtgac	gttgaactg	ctctggcact	tctgtcaagc	180
ctccccgcc	ccaattgcct	tgagatctct	gctctttgtc	agagatttgc	aaagactcac	240
gtttttgttg	ttttctcatc	attccattgt	gatactaaga	aactaagaag	cttaatgaaa	300
agaaataaaa	tgccatgttt	gttggttct				328

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<210> 284
<211> 563
<212> DNA
<213> Homo sapiens

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<400>	284		
ctagaaccca	tgactcctag	gtcttatact	gcaaccacag
		tatcagcaaa	taatctttca
			60
taaggggatt	attctctgat	taacaggaaa	tacaggaatt
		taatttgtga	acacgctagg
			120
tagaagcaga	aacccaaatc	caaatccaaa	tttaaacatt
		taaaattcat	tctataacta
			180
agatctaaca	gtcattttct	tcccagtaag	aaataaccaa
		agcatgctaa	aaatcactgg
			240
actaaattgg	tgtcaaaact	gccacattgc	caggcatggg
		ggggtcatat	ttgtaatccc
			300
agcactttgg	gagggccgagg	tgggaaaatt	gcttgaggcc
		aggagttcga	aaccagcctg
			360
ggcaacacag	tgagacccca	tctccacaaa	aaaaaaaaat
		taaaaacaa	aacaaaacat
			420
tagctgggca	tgggtgtaca	cgctgtagtg	cccagctact
		caggagcctg	aagtgtgaggg
			480
atcactgaag	cccaggagggt	agagctatga	ctgtagtgag
		ctatgactgt	gccactacac
			540
tccacctggg	tgacagggga	ctc	
			563

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<210> 285
<211> 257
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

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<400>	285		
cgacttccat	ttgtattaat	ggaataactaa	gtccctctgt
		gatttctgaa	ccaagctatt
			60
cctaggcctg	agttttattt	tgttgacaca	gaaataaatt
		anaaggccaa	gcgtgggtggc
			120
atgtgcctgt	agtcctagtg	gctgaggtaa	gaggattgct
		tgagcccagg	agttcaaggc
			180
tgacgaagc	tttgatttgcg	ccactgcact	ccagccttgg
		cgacagacta	agacgctgtc
			240
tcaaaaaaaaa	acaaaaa		
			257

```

<210> 286
<211> 602

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 286
ggttatcaat gagattaaga gacaactaga gtaaaaacaa aagaaaagaa aagaaangaa 60
aacaacagaa gctctattaa ctgacctcta accaatacaa caggttaact gatgttctcc 120
attctgtata taaaaatccc agtggacacc cacaacacag gcttcaggct tgtaggacac 180
tttctagtgc atctgagcac ttttgttctc agcagttgag ctgtatactt agcaacattt 240
ggtgcttcca aacccatttg tgacctgtagc acttactatt gaaatacata atttaattaa 300
atattatata aaggaatgga atacgagttg gacaagaaaa agagttaaatt ctgaaggtta 360
ggtaaaaaga gcaacttctt ttctctgttt tgcagggttg caaaatcatt taaaaacaat 420
tggaagtatt atatgttctg cattaagttg tcattttact taaaaactag gcatcaaaga 480
tgatgcataa taaatttagt gtatgcaaga atgactgctt gggacctcaa tatatgaatt 540
cttaatccaa ggaaagtcct tggccttaca tttaaaagtc ggcaataag tgtacgttca 600
tt 602

<210> 287
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<400> 287
gaacatttaa aaataatgca aataaggctg ggcgtggggg ctcacacctg taatcccagc 60
actttgggag gccgaggcag gcagatcacg aggtcaggag attgagacca tcctgggtaa 120
cacagtga aa ccctgtctct acttaaaaaa taaaaaaatt agccaggcgt ggtggtgggc 180
gcctgtatgc ccagctactc aggaggctga ggcaggagaa tgggtgtgaac ccggggaggcg 240
gagcttgcan tgagctgaga tcgtgccact gcactccagc ctgagcgaca gagcgagact 300
ctgtct 306

<210> 288
<211> 419
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 288
tcattagaat ccaagctttg aaaatttctg attaatgctc atgtatttct ttatctttgt      60
ttttccttgt gaagaagac ttccaccact gtctgagtga tgatgctgtt gataaggatg      120
atgtcgatga ctactatatt gcatctctca ggaacagctg atgggaaggg aggggctgct      180
gagttccctt gttctagcta gcagcacgct cctcanagag ggggccgagt tacagacagc      240
agccgcattc tcatgcaaaa ttagttttaa actgctagtg tgggcacggt taccttttgc      300
ctgggtgata ccgaagaatt gttgaggatt tagtatgctc cgtagagaca gttcagccag      360
tcatttctgc attggagaga ctctcatcac tttctttgaa gactcataga aagctggat      419

```

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<210> 289
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (166)..(166)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (168)..(168)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (192)..(192)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (195)..(195)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (373)..(373)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (387)..(387)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (407)..(407)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (449)..(449)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (530)..(530)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (614)..(614)
 <223> n is a, c, g, or t

<400> 289
 attaagggttt gtncccaaca agaatagatg taattagaaa aaantgnctt ccttacctat 60
 tgcctctgat ntttactttg ttaaatTTTT tttattgnaa atccagaaaa agngggattta 120
 gagaacaaca ctaactccca cctaacttat gacaganatg tacaananag tacctgtgaa 180
 aaatgtgaaa gnatntgaaa aatgtaacct ttggcagcct gagcatagtc aaccagaaaa 240
 actatctgaa ttaaaataat tgggccatag gtactatttt atttgggtcca taaggattat 300
 tttttcaact tttttttcaa gtgtattatt atgtcatttc ccacgtagggt tactgatacc 360
 tgaagacttt ttncaccttt aaccttntct gttgaggagc tttgtantct aataaaagag 420
 aaatataagt aaatgttaga tatatgggng gataatggta actatgtgct taaagaggta 480

taaaagaagg gtagggagca gataagacaa aggaagggct atattataa gaagaatatt	540
ccaagtaggg aagagaaaa gatattgtat ccatataata ttttatgtgc agtagagaac	600
atgttctata gaanagacag aagatg	626

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<210> 290
<211> 623
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (576)..(576)
<223> n is a, c, g, or t

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<400> 290	
cttgagccca ggaattccag cctgggcaat atagtaagac tccgtctcta caaaagatac	60
aaaaattagc cagatgtggt ggtgctgtcc tgtagtcca gatactggaa agactgaggc	120
aggaggattg cttgagcatg ggaagttgag gctgcaatga gctgtgatta cgccactaca	180
ctccagcctg ggcaacagag taagatcttg tctcaaaaa aaaattgaat tcagctaaaa	240
ataataaaat tttaaaataa ttttaaaaag ccctcaacag cttgttttt ctctccttgc	300
cagcttctct gcagcctata gcctgcaggc tggtctgtgc gagccaggac aagcgtggg	360
aaatgaatc acagcgtgaa atctctgtgt tcagagacac gcaggaagca ggtgaaccat	420
gaagggccaa cacatgcccc cagttagcag ggtgtagaga ccggggcagg gctttcttct	480
tccttctggg ttataaatat ccatgtcctg ccatttgaag ctgcaagtgg cacacatgga	540
tgctggacag gcgctgcac tttctgggca gggcangggg ctcaaaggca ggacagctgg	600
gcaaaagcac cttgcgtggg ccc	623

```

<210> 291
<211> 579
<212> DNA
<213> Homo sapiens

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<400> 291	
ctttggagct tctgtctgtg ctgtggacct caatgcagat ggcttctcag atctgctcgt	60
gggagcacc atgcagagca ccatcagaga ggaaggaaga gtgtttgtgt acatcaactc	120
tggctcggga gcagtaatga atgcaatgga acaaacctc gttggaagtg acaaatatgc	180
tgcaagattt ggggaatcta tagttaatct tggcgacatt gacaatgatg gctttgaagg	240
taattaaat tatcaaattg gtgcttgatt tctgctttta aaatggttta tggagaataa	300
tatgattaaa gttttgtatt gtttcttc ctatagaaga tggagccaga atggcatgct	360
aagtttttc ttttcttag tgttatatat gacttctcct caattgtcac ccattgatct	420
ttaccactgt taataatgga tgatattcaa aataccttat ttcagtgtatt ctaaggcacc	480

attgattaga aactgcatta ttatttatgt gtccttaaaa gctacctatt aagctgttac 540
 acccaccatt tttctgttaa gaaaatcctg atttcagaa 579

<210> 292
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<400> 292
 gtnntcctct cggaacgcgc ctntgttagc caggtgctac cagaccnaat acacggttgt 60
 tccagcttgc gcattcaccg atggcgtaga tatccggatc ggaagtctgg caggaatcat 120
 taatgacaat acccccacgc ggagcaacgt ccagaccaca ctgggttgcc agcttatcgc 180
 gcggacggat accggtagag aagacgataa agtcgacttc cagttcgctg ccgtcggcaa 240
 aacgcattggt ttacgcgct tcaacacctt cctgcacaat ctcaaggggtg tttttgctgg 300
 tgtgaacgcg cagcccata ctttcgattt tgcgacgcag ctgctcgccg cccatctgat 360
 caagctgttc tgccatcagc atagggggcaa attcgataac gtgggtttca atacctaatg 420
 ttttcagcgc gcctcggtt tccagacctt acaggccgca attcgagctc ggccgacttg 480
 gccaatctgc cctatatgta gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt 540
 gactgggaaa accctggcgt taccacaactt aatcgcttg cagcacatcc ccttttcgcc 600
 agctggcgta atagcgaaa aggccgcac ccgatcgccc ttccaacag ttgcgcacct 660
 gaatggcgaa tggaaattgt aagcgtaaat attttgttaa aattcgctg 709

<210> 293
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 293
 ctgcgcagac cagacttcgc tcgtactcgt gcgcctcgtc tcgcttttcc tccgcaacca 60
 tgtctgacaa acccgatatg gctgagatcg agaaattcga taagtcgaaa ctgaagaaga 120
 cagagacgca agagaaaaat cactgcctt ccaaagaaac gattgaacag gagaagcaag 180

caggcgaatc gtaatgagggc gtgcgccgcc aatatgcact gtacattcca caagcattgc	240
cttcttattt tacttctttt agctgtttta ctttgtaaga tgcaagagg ttggatcaag	300
tttaaatgac tgtgctgccc ctttcacatc aaagaactac tgacaacgaa ggccgcgcct	360
gcctttccca tctgtctatc tatctggctg gcagggaagg aaagaacttg catgttggtg	420
aaggaagaag tgggggtggaa gaagtggggg tggggacgaca gtgaaatcta a	471

<210> 294
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 294	
cttgtaattca agaactactg taatgcatta gtggctctggc ttcattttgt atgatgccag	60
atccttaatt taccagcac aatcatttca gtagtcttct atggctcctg caaaaatgca	120
aacagaaacc accacaggaa cagcccttg ctgcctcctg ttgctgaggt agtagtcgct	180
aaagaaaatt gaaggctcct tacaatctat atttgaaac tagaacttct gtagaacac	240
acagatcccg atcttagaag ttgtacagga caatctggtg aaactgacat aattgtgatt	300
tattaacatg aattaaaatg cccaaccagt gcttcagtgt gacagtatat ttaaaataaa	360
aaagaaatta aaggtcatat actgtactac ttccacaaag atccacagtt ttgcaaaaga	420
cttgtcatat gtacaatgct atatatcaaa tgagaaaagc tgtaagcaat tatatacgca	480
aaagaaatgg cagta	495

<210> 295
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 295	
ttccagtcct ttcatttagt ataaaagaaa tactgaacaa gccagtggga tggaaattgaa	60
agaactaatc atgaggactc tgcctgaca caggctccta aagctagcag agatacgcag	120
acattgtggc atctgggtag aagaatactg tattgtgtgt gcagtcgaca gtgtgtgggtg	180
tgtgcacact cattccttct gctcttgggc acaggcagtg ggtgtagagg taaccagtag	240
ctttgagaag ctacatgtag ctccacagtg gttttctcta aggaatcaca aaggtaaact	300
acccaaccac atgccacgta atatttcagc cattcagagg aaactgtttt ctctttattt	360
gcttatatgt taatatggtt tttaaattgg taacttttat atagtatggt aacagtatgt	420
taatacacac atacatatgc acacatgctt tgggtccttc cataatactt ttatatgtgt	480
aatcaatgt ttttgagca atcccaagtt taaggggaaat atttttgtaa a	531

<210> 296
 <211> 496

<212> DNA
 <213> Homo sapiens
 <400> 296
 caacctcttc tcctcagcgc ttcttctttc ttggtttgat cctgactgct gtcatggcgt 60
 gccctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaaag 120
 agggtgacaa gttcaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180
 ccagcttctt ggggaaaaag acagatgaag ctgctttcca gaagctgatg agcaacttgg 240
 acagcaacag ggacaacgag gtggacttcc aagagtactg tgtcttctctg tcctgcatcg 300
 ccatgatgtg taacgaattc ttggaaggct tcccagataa gcagcccagg aagaaatgaa 360
 aactctctct atgtggttgg ggggtctgcc agctggggcc ctccctgtcg ccagtgggca 420
 cttttttttt tccacctctg ctcttcaac acgtgcttga tgctgagcaa agttcaataa 480
 agatttttgg aagttt 496

<210> 297
 <211> 397
 <212> DNA
 <213> Homo sapiens
 <400> 297
 cggatgtggt ggcaggcgcc tctagtccca gctactcggc aggetgaggt aggagaatgg 60
 cttgaacca ggaggtggag ctgacagtga gccgagatcg cgccactgca ctccagcctg 120
 ggcggcagag cgagactcca tctcaaaaaa aaaaaaaaaa aaaatagact ttgagaccag 180
 cctgaccaac atagtgaac ccgtcactac taaaaataca aaaattaccg gggcggtggtg 240
 acgggcgcct gtaatcccag ctacttggga ggctgagaca ggagaatcac ttgaaccagg 300
 gaggcgagg ttgtagtgaa ctgaaatcgt gccctgcac tccagcctgg gtaacaagag 360
 cgaaactcgg tctcaaaaat aaataaataa ataaaat 397

<210> 298
 <211> 293
 <212> DNA
 <213> Homo sapiens
 <400> 298
 ccagcttttt atggtgttta atctaataca cttaagctgc agtcccaaaa ttagggttcc 60
 ttcatcttg gagactataa gggagcctct gcaccagggg aaaatgttac cttttacagg 120
 ggggaagggt aaaccagtag ggaatacagt acaatcccaa ccctactggg aggggcggga 180
 gggaggtggt gccgtcactg tattaagtcg atgttgggaa acgttttaac atctggagcc 240
 tttgtgggtg gaaatatgtc tccagttaca actccgcagt ggatgtgaag aag 293

<210> 299
 <211> 452
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (210)..(210)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (449)..(449)

<223> n is a, c, g, or t

<400> 299

ggaagctaca atgattttgg gaattacaac aatcagtcctt caaattttgg acccatgaag 60

ggaggaaatt ttggaggcag aagctctggc ccctatggcg gtggaggcca atactttgca 120

aaaccacgaa accaaggtgg ctatggcggg tccagcagca gcagtagcta tggcagtggc 180

agaagatfff aattaggaaa caaagcttan caggagagga gagccagaga agtgacaggg 240

aagctacagg ttacaacaga ttgtggaact cagccaagca cagtgggtggc agggcctagc 300

tgctacaaag aagacatgtt ttagacaaat actcatgtgt atgggcaaaa aactcgagga 360

ctgtatttgt gactaattgt ataacagggt attttagttt ctgttctgtg gaaagtgtaa 420

agcattccaa caaaggggtt ttaatgtana tt 452

<210> 300

<211> 480

<212> DNA

<213> Homo sapiens

<400> 300

tggattcccc tcgtaactta aagggaaact ttcacaatgt ccggagccct tgatgtcctg 60

caaatgaagg aggagatgt ccttaagttc ctgacagcag gaaccacatt aggtggcacc 120

aatcttgact tccagatgga acagtacatc tataaaagga aaagtgatgg catctatatc 180

ataaatctca agaggacctg ggagaagcct ctgctggcag ctctgtcaat tgttgccatt 240

gaaaaccctg ctgatgtcag tgttatatcc tccaggaata ctggccagag ggctgtgctg 300

aagtttgctg ctgccactgg agccactcca attgctggcc gcttcactcc tggaaacctc 360

actaaccaga tccaggcagc ctccggggag ccacggcttc ttgtggttac tgacccacag 420

gctgaccacc agcctctcac ggaggcatct tatgttaacc tacctacat tgccctgtgt 480

<210> 301

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (426)..(426)

<223> n is a, c, g, or t

<400> 301
 gtggtacata tacacaaagg aaaactatgt agccattaaa agaaaaggaa ctccatcat 60
 ttgtaacaac ataataaat ctggaggaga ttaggctaag gtgaaataag ccaggcacia 120
 aaagacaact accatatgat ctacttata cgtgtgtgga atctaaaaag gtggaattta 180
 cagaagcaga gagtagaatg gtgattacca gaggctgggg agtgagggca ggaggttgga 240
 gaaatgttgg tcaaaggata caaagtttca gttatacagg atgaataagt tcaagagatc 300
 tattgtacaa cgtggtggct atagttgata acaatgtatt gtgttcttga aaaatgctga 360
 gagagtagat ttttaagtgt ctaccacaa aacataagta tgtgaggtaa tgcattgtgt 420
 aattantcta atttagacat ttcataatgt attatacata tttcaaaacc acgttgtaca 480
 tgagaagat acacaatt 498

<210> 302
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 302
 gcccagtcga cccatgttct ctttctaca ccagcattag acgtgtctt cacagatttg 60
 gaaatcctgg ctgccatttt tgcagctgcc atccatgacg ttgatcatcc tggagtctcc 120
 aatcagtttc tcatcaacac aaattcagaa ctgcttttga tgtataatga tgaatctgtg 180
 ttggaaaatc atcaccttgc tgtgggtttc aaactgtgc aagaagaaca ctgtgacatc 240
 ttcatgaatc tcaccaagaa gcagcgtcag acactcagga agatgggttat tgacatgggt 300
 ttagcaactg atatgtctaa acatatgagc ctgctggcag acctgaagac aatggtagaa 360
 acgaagaaag ttacaagtgc aggcgttctt ctctagaca actatacccg atcgatttca 420
 ggtccttcgc aacatggcta ctgtgcagac ctgagcaacc ccaccaagtc ctg 474

<210> 303
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (492)..(492)
 <223> n is a, c, g, or t

<400> 303
 ctgtaacaga gattcctttt ttcaataatc ttaattcaaa agcattatta gacttgaaag 60
 ggtttgataa tctcccagtc cttagtaaag attgagagag gctggagcag ttttcagttt 120
 taaatgagtc tgcagttaat atcaaatgtg agtttgggac tgcctggcaa catttatatt 180
 tcttattcag aacccttgat gagactattt ttaaacatac tagtctgctg atagaaagca 240

ctatacatcc tattgtttct ttctttccaa aatcagcctt ctgtctgtaa caaaaatgta	300
ctttatagag atggaggaaa aggtctaata ctacatagcc ttaagtgttt ctgtcattgt	360
tcaagtgtat tttctgtaac agaacatat ttggaatgtt tttcttttcc ctttataaat	420
tgtaattcct gaaatactgc tgctttaaaa agtcccactg tcagattata ttatctaaca	480
attgaatatt gnaatatata ttggcttacc tctcaataaa agggctcttt ctatt	535

<210> 304
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (427)..(427)
 <223> n is a, c, g, or t

<400> 304	
tccaccacc ttgacctccc aaagtgtctg gattataggc gtgagccacc tcgcccagcc	60
cgatactagg acttatgcag aaaaaacctt gacatggagg aaagtaagat ctataataat	120
actgtattca tagattaaaa gactcagcat aataaatata ccatttctcc ccagattgat	180
gtacagattt aacacaattc ctatcaagat cccagcaaga tttttgtaga tatgtaaaag	240
attattcaaa aatgtaaaaa gaaggacaaa ggactagaat agataaaaca aaatggagaa	300
agatttaata ggaatcactg taactgattt taagacatac agaacaataa tagaaaactgc	360
ttgtattagt ccatcttcac gctgctgata aagacatacc tgagattggc aattacaag	420
gaaaganatt tattggctta cagttcccat ggctggggag gcct	464

<210> 305
 <211> 588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (511)..(511)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (546)..(546)
 <223> n is a, c, g, or t

<400> 305	
ctcctctggg ttgaaacccg ggcgcccca agatccggc ttaccactct tctctcatgg	60
atcctgatac caaactcatc ggaacatagg cactgttgcc tatcagaagt caattcaaa	120
gacctgcccc cagagagaca aaagatacag atattgtgga tgaagccatc tattacttca	180
aggccaatgt cttcttcaaa aactatgaaa ttaagaatga agctgatagg accttgatat	240

atataactct ctacatttct gaatgtctga agaaactgca aaagtgaat tccaaaagcc	300
aaggtgagaa agaaatgtat acgctgggaa tcactaattt tccatttct ggagagcctg	360
gttttccact taacgcaatt tatgccaac ctgcaacaa acaggaagat gaagtgatga	420
gagcctattt acaacagcta aggcaagaga ctggactgag actttgtgag aaaagtttct	480
gaccctcaga atgataaacc cagcaagtgg ngggcttgct ttgtgaagag acagttcatg	540
aaacaanagtc ttccaggacc tggacagtga agggagcccg ggcagcca	588

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<210> 306
<211> 492
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

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<400> 306
cngggccgcg tnaacttttg atcgtcagct ggggctggca ggcacctaaa tgggaagggg 60
gatagcagtg tgttgggggg agtttaggga acggtcctct accgatagag gcagcanctc 120
attggaattt cctcctgaag ttgtcttgcc ccttgaatcc tgcaggaagg ctggcaaatg 180
gccatttccc ttccacttga atagagaccc ataactcaag tatctgcctt taagacacca 240
caggactggt cttcgcgggc cctgccccctg gatttgggag aggaggtcca nctcacccaa 300
ctaggctctg canggggacc angagggatg ggttgtgtcc acaggaccag ccagactgat 360
gagggatgcg gcaagcatat tctcaccacc ttctttcacg ttacaacan accagcnttc 420
cctgtgtgcg aggggttaca ttggtcaccg aggacctana atcatggagt gctctgggga 480
tccgggcttg ga 492

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<210> 307
<211> 430
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

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```

<400> 307
tcagtgttga attttgtcag acactttctc tgcatcaatt ggtatgacca tgtgattttt 60
tttctgtagc ctgttaatat ggttaatttt caaatattga gctgattaat tttcaaatat 120
tgagctctcc ttgcatctct ggaataagta ccacttggtc gtggtatata tttcttttaa 180
tatattgctg aattctgttt gatcatgttt tcttaaagac tttcgtgtct gttttcatga 240
tagatactgg tctatagttt tgttgaata tcttggtttg attttgatat caggataatg 300
ctaccttaat agaatgaatt ggagccaagt atggtggtgcaa atgcctatag tcttagctac 360
tcaggaggct gaggtggtg ggactgcttg acccangagt tcaaatctag cttagggcaat 420
gtagcaagac 430

```

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<210> 308
<211> 574
<212> DNA
<213> Homo sapiens

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<400> 308
tagaaggaaat gactattcat gtccaaagt aatggttttg tgcagtgaac aacacatggc 60
gaggactactaa ctgagaaact tttcatgct ttatgcctac ctcttgtagt tgttgcagag 120
caaatataaa ttgtaataag atagctaggc cttgcagaaa caaacagaaa aacttaaaaa 180
aaaatgatat aagagctgga gtctagtatt tatatgaatc tgtgagagat aatttttttg 240

```



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gtctcactgc aatgaaccaa aagcggctga gtttggttt taattgtagc catgtattga 300
aggcacatctt ttgaccaact ctgttggtt ctgtcttgaa ccattgttaa tcactgtgct 360
gtaattagta tagctaaatc ttttccttc ttgtcctcc ccagcccac cccgtcttc 420
cttaacattt tttcagggg ggttgggagt ggtttcattt taatgtgagt ggatgttttg 480
atagtgttaa ggaataatg catttcagac acatttcaca catgagctat tttcttacac 540
agtatgtctt attgtaata agaatgtaat tcac 574

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<210> 309
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

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<400> 309
cnttcntaa gaatacaaaa aattagctgg gcgtgggtggc aggcgcctgt aatcccatct 60
actcaggaag ctgaggctgg agaatcgctt gaacccggga ggcggaggtt gcagttagca 120
gagatcacgc cactgcagtc cagcctgggc aacagtgcga gactctgtct caaaaaaaaaa 180
ataaataaat tacctgggtg tggcagcgcg tgcttgaat ccagctacc caggaggctg 240
aggcaagaga actgcttgaa cccaggaggc agaggttgca tggagctgag atggcgccac 300
tgcactccag tctggtgaca gagtgag 327

```

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<210> 310
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (227)..(227)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (229)..(229)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (273)..(273)
 <223> n is a, c, g, or t

<400> 310
 ctctctacta aaaatacaaa aattagctgg gcacggnggt gcatgcctgt aaaccagct 60
 accaggtact cgggaggctg aggcaggaga atcgcttgaa ccaggagatc ggaggttgcg 120
 gcgagctgag atcatgccac tgcaactgcgg cctggagaca agagcaagac tccgtctcaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaagacn tcacctaatt gcagngngng gaccttattt 240
 ggctnttaat tcaaacattt aaaaatgtga acn 273

<210> 311
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 311
 cggggctctgt accgggctgg cctgtgccta tcaccttcta tgcacacctc ccaccccctg 60
 tattcccacc cctggactgg tggccctgc cttggggaag gtctcccatc gtgctgcac 120
 caggagacag acagagaagg cagcaggcgg cctttgttgc tcagcaaggg gctctgccct 180
 cctctcttcc ttctgtcttc tcatagcccc ggtgtgcggt gcatacacc ccacctcctg 240
 caataaata gtagcatcgg 260

<210> 312
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<400> 312
 ctgagntag aaatgatgcc attaatactg attgcaaaaa cattacaact cagtactgca 60
 gctttcattc aaatagggtta tatgtataaa ctgagttcaa caatattgta ttgagatgg 120

taaagttaaa gaaatgcaat aatgtaaata atacttaaga aaataagatc tcaggaaact	180
gtatatactc tgtactttta tgcaacttta tcagatcatt tcagtatatg catcaaggat	240
atagtgtata tgacatgaac tttgagtgca aaaactgtac tatgtacctt ttgtttattt	300
tgctgtcaac atctaaataa aggttttttt gtttgttttt tgttttttta attgttttgt	360
tttaaagatt gttttaatta attaaaaat taattgtttt aattaacaa ttgtttaatt	420
gttttaaagt cgccaggctg aggcagggtga atcacagct taggagttgg aggctagcct	480
gccaacatgg tgaaaccccg tctctactaa aaatacaaaa aaattaactg ggtgtggg	538

<210> 313
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (549)..(549)
 <223> n is a, c, g, or t

<400> 313	
cccatctgca ccagtagaca ggcaggcatt atcattcttc acctactttt taaatagtgg	60
caacttggga ttcattctgg tgattctgaa ccttgccctca tagcttaaag tataaaaaag	120
attcaagagc agtgagggtt gttctttcca gtgaatggtg gactgagtgg tgcgagggtg	180
agggctaaca agaggaaaga actacattct tcagaataca gtgatgaaaa ttcattttga	240
aactcaaata ttttcatatt ggatattctc ctgtttttat taaaccagtg attacacctg	300
gccatccctc taaatgttct aggaaggcat gtctattgtg attttgatga agacagaatt	360
atttttctct gtagaacac agataccact ttatcagggg aagttagtca aatgaaatgg	420
aaattggtaa atggacaaaa gctagctagt aaaaaggacg acccgacaac atgctttaac	480
cccattgtat gtttgtggaa agagcatagt ttaacatctt gagaaatttg ggacataaaa	540
gttttcatng gtacacagtt catggcagta tatgaattga cataatggaa ataactctgat	600
tttattttta caactaacat cctttcccc	629

<210> 314
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (635)..(635)
 <223> n is a, c, g, or t

<400> 314	
ggaattccaa gtgcttgggg ataagatgac ctctgacctt tcttcctttt gggaagtact	60

tgagtgtgca gctgcatgag gcctcagcag gagagagatt ttaggtccaa gaagctatac	120
cagtaggaca aggcaggaaa atactacact ttcaggatca agcccctctg actctcattt	180
ggaaactgga tgtttgctaa gcacctgctt ctttaaggatg ccgaggggatt taatgatact	240
cccagaaacc tggagagatt aatggggcct atggagaagt gctctgaact cagtgttggg	300
acttgaataa aattaacctt tgctatgttt tcagaacaac taagtgtttt tatatttcac	360
gtgcatgaaa gccctagaac taagtgtgtg tatttccaga aatgaaatag atccccacagt	420
tagatgatgt ggccatttagg aagtaccaa tttataaaaa tctctggagg tctgtctgag	480
cagtacctaa taaaatatag tatactgaaa gtgaacagat actttgtctc tttctttggc	540
tgcttgatct ttatctgtgt ctgccgtaca gtgcaccctt aaagtattct acaccagtgc	600
ttctcaaact ggaaatgtgc atgtaagtca cccangggtc t	641

<210> 315
 <211> 645
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (215)..(215)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (398)..(398)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (598)..(598)
 <223> n is a, c, g, or t

<400> 315	
tgcatgccca tagtcccagc tatttgggag gctgaggcag gaaaatcgct tgaaccggg	60
agccagaggt tgcatgtgac cgagatcgca ctccagcttg gcgacagaac aagactctgt	120
ctcaaaaaaa aaaaaaaaag aaatcttggg atcctgaacc cttactcga agggctaagg	180
tagcatctca gcatgtctta ttcgagactt cgtanaacca gacctgtgtg ttgtagatgt	240
taattaatca aacctttctc tactcattct ggaccagtta aggttttctc cttctccgta	300
tgagttttga ttttcgtcct ctttggttg agatcacact ttggtctgct gctaagttgg	360
atgcctccca ctgtctttcc ctaagtctag ggcttcanac cccagtgtgg ggagagggac	420
tttcgtttcc tgccccctac cacatcagac acaggcaggc aagaataaga tgcccaaaag	480
gccagtgaac ttcttgacct agcctgggac attacctgtt actaggtgga cttcactgcc	540
tgtgaatgga agctgaaggg ctgttttttt ggtttgtatt tggacaggcc aggcttanag	600

agggagagaa ctgggctact cttcagcagt gatctttaa atgcc 645

<210> 316
<211> 542
<212> DNA
<213> Homo sapiens

<400> 316
cagagtgcac gacgatgact tgcaaaatgt cgcagctgga acgcaacata gagaccatca 60
tcaacacctt ccaccaatac tctgtgaagc tggggcacc agacaccctg aaccaggggg 120
aattcaaaga gctgggtgca aaagatctgc aaaattttct caagaaggag aataagaatg 180
aaaaggctcat agaacacatc atggaggacc tggacacaaa tgcagacaag cagctgagct 240
tcgaggagtt catcatgctg atggcgaggc taacctgggc ctcccacgag aagatgcacg 300
agggtagcga gggccctggc caccaccata agccaggcct cggggagggc accccctaag 360
accacagtgg ccaagatcac agtggccacg gccacggcca cagtcatggt ggccacggcc 420
acagccacta atcaggaggc caggccacc tgcctctacc caaccagggc cccggggcct 480
gttatgtcaa actgtcttgg ctgtggggct aggggctggg gccaaataaa gtctctttcc 540
tc 542

<210> 317
<211> 583
<212> DNA
<213> Homo sapiens

<400> 317
gaaccctgag gagggacttc aatcacatca atgtagaact cagccttctt ggaagaaaaa 60
aaaagaggct ccgggttgac aaatgggtgg gtaacagaaa ggaactggct accgttcgga 120
ctattttagt tcatgtacag aacatgatca aggggtgtac actgggcttc cgttacaaga 180
tgaggctctg gtatgctcac ttcccatca acgttgttat ccaggagaat gggctctctg 240
ttgaaatccg aaatttcttg ggtgaaaaat acatccgcag ggttcggatg agaccaggtg 300
ttgcttgctc agtatctcaa gccacagaa atgaattaat ccttgaagga aatgacattg 360
agcttgcttc aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata 420
tcaggaaatt tttggatggt atctatgtct ctgaaaaagg aactgttcag caggctgatg 480
aataagatct aagagttacc tggctacaga aagaagatgc cagatgacac ttaagacctc 540
cttgatgat ttaaatgatg caataaaaga cctattgatt tgg 583

<210> 318
<211> 424
<212> DNA
<213> Homo sapiens

<400> 318
cttggctcct gtggaggcct gctgggaacg ggactttctaa aaggaactat gtctggaagg 60

ctgtggtcca aggccatttt tgctggctat aagcggggtc tccggaacca aagggagcac	120
acagctcttc ttaaaattga aggtgtttac gcccgagatg aaacagaatt ctatttgggc	180
aagagatgcg cttatgtata taaagcaaag aacaacacag tcaactctgg cggaacaacca	240
aacaaaacca gagtcattcg gggaaaagta actcggggccc atggaacag tggcattggtt	300
cggtccaaat tccgaagcaa tcttctgct aaggccattg gacacagaat ccgagtgatg	360
ctgtaccct caaggattta aactaacgaa aaatcaataa ataatgtgg atttgtgctc	420
ttgt	424

<210> 319
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (593)..(593)
 <223> n is a, c, g, or t

<400> 319	
gattttttt tttttttga gatggagtct ttctctgtcg cccaggctgg agtgacgtgg	60
tgaatctcg actcactgca acctccgtct cctgggttca agcaattctc ctgcctcagc	120
ctcttgagta gctgggatta caggcaccag ccaccacgcc cggtcaattt ttgtattttt	180
agtagagaca ggttttcacc atgttggtta ggctgatttt gaactcatga cccaagtga	240
tctgccgcc tcggcctccc aaagtgtctg aattacaggt gtgagctacc actcccagcc	300
aatgattaca ttataaggt aaaataact gtgccaatct gtacaagtga attcagattt	360
aaaattttta ttgtaaaaag atatccaggt gatatttctc cctgaataat ttagtttctt	420
tttctatttc ttgatataaa agtactcagc attgaagtaa ttgctatctt cacatttctt	480
cctatttgag ctgtctaaat aagtagtcct acatatttcc ccccaacac aaaaaccaca	540
gaaaagaatt attttatact ggattttttt ggttgtagca ggaacctaaa ggngccaatt	600
gtaacatgca tgttcttttt ggcaaa	626

<210> 320
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 320	
gtccatcctg caggccacaa gctctggatg aggaacttga ggcaagtcac cagcccctga	60
tcatttcgcc taaaagagca aggactagag ttctgacct ccaggccagt ccctgatccc	120
tgacctaatg ttatcgcgga atgatgatat atgtatctac gggggcctgg ggctggcg	180
gctcctgctt ctggcagtgg tccttctgtc gcctgcctg ttgtggctgc atcgaagagt	240

aaagaggctg gagaggagct gggcccaggg ctctcagag caggaactcc actatgcac	300
tctgcagagg ctgccagtg ccagcagtga gggacctgac ctgaggggca gagacaagag	360
aggcaccaag gaggatccaa gagctgacta tgctgcatt gctgagaaca aacccacctg	420
agcaccacag acaccttcct caaccaggc gggtaggacag ggtccccctg tgggtccagcc	480
agtaaaaacc atgggtcccc cacttctgtg tctcagtcct ctcagtcac tcgagcctcc	540
gttcaaaatg atcatcatca aaacttatgt ggctttttga ctttgaata gggaattttt	600
taaaattttt taaaaatt	618

<210> 321
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 321	
ccagcgagg ggcttctgct gagggggcag gcggagcttg aggaaacgcg agataagttt	60
ttttctcttt gaaagataga gattaataca actacttaaa aaatatagtc aatagggtac	120
taagatatgt cttagcgta agtttttaac gtaattttaa tagcttaaga ttttaagaga	180
aaatatgaag acttagaaga gtagcatgag gaaggaaaag ataaaagggt tctaaacat	240
gacggaggtt gagatgaagc ttcttcatgg agtaaaaaat gtatttaaaa gaaaattgag	300
agaaaggact acagagcccc gaattaatac caatagaagg gcaatgcttt tagattaaaa	360
tgaagggtac ttaaacagct taaagtttag tttaaaagtt gtaggtgatt aaaataattt	420
gaaggcgatc ttttaaaaag agattaaacc gaagggtgatt aaaagacctt gaaatccatg	480
acgcagggag aattgctgca tttaaagcct agttaacgca tttactaac gcagacgaaa	540
atggaagat taattgggag tggtaggatg aaacaatttg gagaagatag aagttt	596

<210> 322
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (517)..(517)
 <223> n is a, c, g, or t

<400> 322	
gaggaaagg gagttaatat ttagtgagca gaatttcagt ttacagatg aaaagagttc	60
tggagataga cgggtgtgat agttgcacag cagtgtgaat gtgctcattg ttaccgaact	120
taaaatgtt taacatagta ttatgtgatt tttattttgc cacttaaaaa aaaagaatga	180
agtactgata catgctacaa catgggtgag ctttaaatc attctgctca gtgaataaag	240
ccagatgcaa aagatcacat attatataat ccacttatac gagataccta gaataggcaa	300

attcatagag	acagaaagta	gaatagtggg	tcccaggggc	tggggacaag	ggggcagtga	360
gagattgaga	gttattatta	atgcgtacag	agtttcagtt	tgggctgata	aaaaagttct	420
gaagatggat	gggtgatgatg	gttgtagatc	aatgtgagtg	taattaccgc	cactgaactg	480
cccttaaaaa	cgtttaaaag	agtaaatttt	atgttgngta	tattttacca	taat	534

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<210> 323
<211> 556
<212> DNA
<213> Homo sapiens

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<400> 323	tttttttttc	ataagaggca	agtacaagaa	aaagcttaat	tactttaact	tctaagtagt	60
	ttggaatcta	aataaatag	agttaccaa	tatatgcgct	tctgtgaata	gttttcccc	120
	acatgtttat	ttatatttt	gcattctatc	aaacctaa	gattctaaag	tctctgggta	180
	taatgacaat	atctgctacg	gagagactag	cctgggggaa	gaggatctcc	ctgaacaagg	240
	atagcggagt	tgctgcagct	ttcaaatgaa	gctggacatt	tagctgcggg	ggtagcacc	300
	tttgatcaag	gcagcccaa	gatgagtttc	agggatggga	ctgacagaag	agaaaagttc	360
	ttcccagccc	tttctacttt	ttctctttgt	ttctcaggct	tctggccgtc	ttcagttttc	420
	acaagtttca	ctctcaacc	taaacagtac	ttctgtgaag	taccttttgg	cccctcgttt	480
	tcagctccta	aactcacctg	gaaatagatg	tcaatcta	tttgggtctg	actagtgcag	540
	taggcatttt	tggtga					556

```

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

```

<400> 324	ctcacacaga	acaaaaatga	atgagtgtgg	ctgtgtgcc	ctatcactgt	gtctacaaaa	60
	acagccagtg	ggcctgattt	ggcccttggc	tgcatgtgcg	ccgtctctgt	ttttgaggaa	120
	taaaatcgca	tcatttcata	tggtcaatgc	aatttttttc	ccatctggaa	gcaacatctg	180
	attggactca	tcttgtagtg	tgcttggtac	agtcctctgta	aatgggagag	ggtccgagaa	240
	tagctcttcc	tgttttcatc	aggactgttt	ttagggatgg	caaagaagtc	agtggtgcc	300


```
gcctgtgtcc tctcaccac gtggctgatt cctgaatctg catgtgcanc acntgccgtt 360
gtctggggca tgatctgtgt ga 382
```

```
<210> 325
<211> 556
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t
```

```
<400> 325
cttttctctg ggtatagatt taccctagca cctatctcat tatattgaat tttccagcat 60
atttaataa actattaatt agtcacacta tttcttaaaa gtcacactat caactaatcg 120
tgaccgcaat tatctagggg tgataatctg ctgagctctac tctttaaata cactgggacc 180
cagcatattg agttatattg gcacagaaac ttcactctgg gtatagattt accctagtac 240
cttgccggca ggatcctatt attcattggt gtacaagcaa gggtcaggga agaggctggc 300
acagagaagg tacctggtaa ctgtgtttg aggctgaatt cagctcaact cagctccagt 360
agagatggtg tccccctctc taccgtgttg agatagtgtg cagtccttc ctaagggctg 420
ttaccaccg caataggact tgcagcttc aacttttaaa tttctctgct cccgctggga 480
cccaccgct tcaaaaatca tcatggnggn tttagcacca atttagtaaa cacaaactgt 540
ctgaaatatt ttggat 556
```

```
<210> 326
<211> 716
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (567)..(567)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (666)..(666)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (698)..(698)
<223> n is a, c, g, or t
```

```

<400> 326
gaacattcaa gatagtgaga ggaagaaaaa gatatggctg tacgggaccg aggtctcttc 60
tattatcgcc tcctcttagt tggcattgat gaagttaagc ggattctgtg tagccctaaa 120
tctgacccta ctcttggact tttggaggat ccggcagaaa gacctgtgaa tagctggggc 180
tcagacttca acacactggt gccagtgtat ggcaaagccc actgggcaac tatctctaaa 240
tgccaggggg cagagcgttg tgaccagag cttcctaaaa cttcatcctt tgccgcatca 300
ggacccttga ttcttgaaga gaacaaggag aggggtacaag aactccctga ttctggagcc 360
ctcatgctag tccccaatcg ccagcttact gctgattatt ttgagaaaac ttggcttagc 420
cttaaagttg ctcatcagca agtgttgctt tggcggggag aattccatcc tgacaccctc 480
cagatggctc ttcaagtagt gaacatccag accatcgcaa tgagtagggc tgggtctcgg 540
ccatggaaa gatactcgag tgctcangat gatactggct gtctgttctt aacagaactg 600
ctattggagc ctggaaactc agaattgcaga tcttttgtga acaaaatgaa gcaagaaccg 660
gagacnctga atagttttat ttctgtatta aaaactgnga ttggaacaat tgaaga 716

```

```

<210> 327
<211> 664
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (586)..(586)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (631)..(631)
<223> n is a, c, g, or t

```

```

<400> 327
ccactccacc ttactaccag acaaccttag ccaaaccatt taccctaaata aagtataggc 60
gatagaaatt gaaacctggc gcaatagata tagtaccgca agggaaaagat gaaaaattat 120
aaccaagcat aatatagcaa ggactaacc cttacacctc tgcataatga attaactaga 180
aatgaggatt ctgaccttga ctttgatata agcaaatgg aacagcagag caaggtgcga 240
aacacaggac atggaaaacc aagagaaaag tccataatag acgagaaatt cttccaactc 300
tctgaaatgg aggccttatt agaaaacaga gaaaagaag aggaacgaaa agatgataat 360
gatgatgagt caggtaaaag ttccagaaat gtgaacaaca aagatttttt tgatccagtt 420
gaaagtgatg aagacatagc aagtgatcat gatgatgagc tgggttcaaa caagatgatg 480
aaattgctga agaagaagca gaagaaggaa gcatttctga aatatgaatg aaaaaatta 540
catctttaga aaaagagtta ttagaaaaaa gccttggcag ccgtcngggg gaagtgcgc 600
acagaagaga ccagagaata gcttcctgga ngagaccctg cactttacc atgctgctgg 660

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<210> 328
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (522)..(522)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (532)..(532)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (537)..(537)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (629)..(629)
 <223> n is a, c, g, or t

<400> 328
 ccgggtttta gtatttaacc aagagccttt taaatattga aaacccatag ttcagaaaaat 60
 gttagtattg ctgcccttct tcacataaat ttttttttaa attatactat tattttgctt 120
 aattttatat tgggttaaaa caaccttcaa gaagggttaac taggaaagaa gacctttttg 180
 ttttattttt actatttata tatagaagac aaatcagcat ttggtgatag ttttacatga 240
 ccagttatca aacggtcata gtatgaagtg tgcagttggt cattattagt aaattatggt 300
 tgatttttaa actatttagt actaatagtt gagatgaaaa ctgaagaaaa atgccaatgt 360
 gacgttttggt tatagctagc cttaaaaaac ttcccatggt ttttaggtgac ttttttcccc 420
 ctcttagtac tctggagaaa caatgaagat gggccatctc aattccagat gtaaacaaaa 480
 agtaattttt atttcaacat ttaatgtaac tgctattatt gnggattcct gncctgngta 540
 ttttctttcc cttattcaag taatatagaa taactttcct taaaatgatt tgatccaaga 600
 tacgtcattt ctgtattggc aaaatgccnc tattaagtg t 641

<210> 329
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 329
 gttaaagtga tacattttta taccaaatgt gtttattttt ttgtgcaagt aatccttaaa 60
 attgcaattg tattagtggt taaaataaag tttttaaaaa attaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aa

132

<210> 330
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (623)..(623)
<223> n is a, c, g, or t

<400> 330
gacaacctta gccaaaccat ttacccaat aaagtatagg cgatagaaat tgaacacctgg 60
cgcaatagat atagtaccgt aagggaaga tgaataatta taaccaagca taatatagca 120
aggactaacc cctatacctt ctgcataatg aattaactag aaataacttt gcaaggagag 180
ccaaagctaa gacccccgaa accagacgag ctacctaaga acagctaaaa gagcacacc 240
gtctatgtag caaaatagtg ggaagattta taggtagagg cgacaaacct accgagcctg 300
gtgatagctg gttgtccaag atagaatctt agttcaactt taaatttgcc cacagaacct 360
tctaaatccc cttgtaaatt taactgttag tccaagagg aacagctctt tggacactag 420
gaaaaaacct tgtagagaga gtaaaaaatt taacacccat agtaggccta aaagcagcca 480
ccaattaaga aagcgttcaa gctcaacacc cactaccta aaaaatccca aacatataac 540
tgaactcctc acaccaatt ggaccaatct atcacctat agaagactaa tgttagtata 600
agtaacatga aaacattctt ctncgcataa gcctgcgtca gattaaaaca ctgaactgac 660
aattaa 666

<210> 331
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<400> 331
aaagagctcc caaatgctat atctattcag gggctctcaa gaacaatgga atatcatcct 60
gatttanaaa atttggatga agatggatat actcaattac acttcgactc tcaaagcaat 120
accaggatag ctgtgtttc anagaaagga tcgtgtgctg catctcctcc ttggcgctc 180
attgctgtaa ttttgggaat cctatgcttg gtaatactgg tgaatagctgt ggtcctgggt 240

accatggctg gtttcaaagc tgtggaattc aaaggataaa ttaatgaaga aaacaagcgg	300
agctgaagaa gaaagtacaa tatggtgctg tcttcctaat gaaataaatt cactaaatgg	360
acattaaaaa	370

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<210> 332
<211> 741
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (612)..(612)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (677)..(677)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (690)..(690)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (703)..(703)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (713)..(713)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (719)..(719)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (726)..(726)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (730)..(730)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (736)..(736)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (739)..(739)
<223> n is a, c, g, or t

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<400> 332
agactcgagc aagcttatgc atgcatgcgg ccgcaattcg agctcggcca cttggccaat 60
tcgccctata gtgagtcgta ttacaattca ctggccgctg ttttacaacg tctgtgactgg 120
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg 180
cgtaaatagc aagaggcccg caccgatcgc cttcccaac agttgcgcag cctgaatggc 240
gaatggaat tgtaagcgtt aatattttgt taaaattcgc gttaaatttt tgttaaatca 300
gtcatttttt taaccaatag gccgaaatcg gcaaaatccc ttataaatca aagaataga 360
ccgagatagg gttgagtgtt gttccagttt ggaacaagag tccactatta aagaacgtgg 420
actccaacgt caaaggcgga aaaaccgtct atcaggggcg tggccacta cgtgaaccat 480
caccctaate aagttttttt gggtcgaggt gccgtaaagc actaaatcgg aaccctaaag 540
ggagcccccg atttaaagct tgacggggaa agccggcgaa cgtaggcgaga aaggaaagga 600
aaaaagccaa anggagccgg cgctaggggc ttgcaagtgt acgggcacgc tgcgcgtaac 660
cacccacacc ccgccngnct taatgccccn ttcaggggcg gtncatgatgc cgnattttnt 720
cttacnctn tgtcngngnt t 741

<210> 333
<211> 719
<212> DNA
<213> Homo sapiens

<400> 333
taaaataatg gcaaaaaaca acaaaaaaac aagttctcta aacagaaagg aaattactaa 60
agaaggaatc ttgaaataac aggaaagagg aaataccaca gtaggcaaca ttatgggtaa 120
ataaaacaga ctttccttct ttagtttctt aaaatatgtt tgatgattaa tgcaaaaatt 180
acaatatatt cttatgtagc actaaaggta tgtagagaaa atatttaaga taattgtact 240
gtaagcggga gatgacagt acataaaggc aacgttttta tacttcaactc aaactttatg 300
tattaatgta atccataaag caacaaaaaa agctatacta agtacattca aaacacaaat 360
agataaacca aacaaaattc taaaggatgt acaagtaacc cactggaagc tgcaaaaaat 420
gtaaacagaa actaaaaaca gagaataaat gaaaaattaa aaacgaaatg gcgacttag 480
gccctaatat acaaaattat acattaaata taaatggctt aaatacacca actgtaagac 540
agagattagc aaagtgcatt taaaaacatg actcaactac gtgctgtcta caagaaactc 600
acttcaata taccaagata ggaaggttga aagtaaaacg atggaaaaag atgtatcatg 660
tgaacattaa tcaagggaag gcaggggtgg ctatattaac atcagggtaaa ataaacttt 719

<210> 334
<211> 603
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (548)..(548)
<223> n is a, c, g, or t

<400> 334
tgaggntggt catgatgcan aagctactca aatgcagtcg gcttgtcctg gctcttgccc      60
tcatctctggt tctggaatcc tcagttcaag gttatcctac gcggagagcc aggtaccaat      120
gggtgctgctg caatccagac agtaattctg caaactgcct tgaagaaaaa ggaccaatgt      180
tcgaactact tccaggtgaa tccaacaaga tccccgtctt gaggactgac ctttttccaa      240
agacgagaat ccaggacttg aatcgtatct tcccactttc tgaggactac tctggatcag      300
gcttcggctc cggctccggc tctggatcag gatctgggag tggcttccta acggaatgg      360
aacaggatta ccaactagta gacgaaagtg atgctttcca tgacaacctt aggtctcttg      420
acaggaatct gccctcagac agccaggact tgggtcaaca tggattagaa gaggatttta      480
tggtataaaa gaggattttc ccaccttgac accaggcaat gtagttagca tattttatgt      540
accatggnta tatgattaat ctggggacaa agaattttat agaaattttt aaacatctga      600
aaa                                                                603

<210> 335
<211> 71
<212> DNA
<213> Homo sapiens

<400> 335
atttatctaa tatttggttt aataaaatgt gaataatgaa aaaaaaaaaa aaaaaaaaaa      60
aaaaaaaaaa a                                                                71

<210> 336
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (617)..(617)
<223> n is a, c, g, or t

<400> 336
ttttttttta ttttttgaga atggagtctt gctctgccgt ccaggctaga gttcagtgg      60

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gcgatctcag ctcactgcc cctcacctcc taggttccag agattcttgt gcttcagcct	120
cctcagtagt tgagaataca ggaacacgcc accacgccta gctaattttt gtatttttag	180
tagagatggg gtttcaccat gttggccagg ctgggtctcaa actcctggcc taagtgaacc	240
acctgcctca gcctcccaaa gtgctgggat tataggcggt agtcattgtc cccagccgga	300
tgttttcatc ttgatttgcc ttagtttcta aatctcatcc tctccatttt ctctgttag	360
tagtcacaga gaaccaaaat ctgtcaagtt atgaaactaa agtctctctt ccacaagtct	420
tcctgtgttc tgcctcaagt gaacttgaaa gaacatcagt ttgtgggaag gttgaagacc	480
gaatgatctg ctgggaaatc actgaggcat tgccattctc ttgaggaatt tcattttcat	540
cgaagtttcg gtttatatcc ctttcttggt gagtactatt gctgttatgt aaattaaatg	600
agtcgtcatc cttctnttgc gc	622

<210> 337
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 337	
gtgaaatcac tttcatggat tattaatgga tttaagaggg catcaatcag ctcaactcaa	60
gatttcataa tcatttttag tattttagatt gtgcctcaaa gttgtagtac ctcaaatatc	120
ctccactggt ttcctgtgtg aaaaaccttc agtgagtttg accattgtgc tcttggctct	180
tgggctggag taccgtggtg agggagtaaa cactagaagt ctttagtaca aaactgctct	240
agggacacct ggtgattcct acacaagtga tgtttatatt tctcataaag agtcttccct	300
atcccaaggt cttcatgatg ccagtagcca tatatgataa attatgttca gtgataactt	360
agttatcaga aatcagctca gtggtcttcc ccgccatgat tcacatttga tgagttttta	420
aaaatcaaag tgattttgaa aatctctaag ggtcagaaaa ataaaaacat ccagtttgtg	480
gatgactata tttagatttc t	501

<210> 338
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 338	
ttgtgttttt aggactcctt atctaaatta aggcagagaa gttacagtat ttatatctgc	60
attaaatctc aattccagaa aaaccttttg aaaaattatt taatcctctg gaaactattg	120
atatgatata ggagaaattt tcagaagttt attgaataat ttaatatcat ttaataggac	180
actctggctt gtatataagc agatacgtta ctcagacttc ttggctgtac tctaaaataa	240
tatatgtact agtctcctaa atattactag ctacaccttc aaatgcata ctaatatctc	300
aatgtcttcc ttcaatttga aaagctcttg aatatctact tgtgatagcc ctaagagctg	360

agataattat ttccaggagg ttgaatccct gattcttaac tgttcagcaa tgcataagca	420
agagagaata tgacataaga ggaccatttc tacattagcc attttttttc acaagatacc	480
tatgtgaata cagggcacct gggagggtaa gtggaggact atttctaact atatttataa	540
gcacatactg atattgggtga atcaaaacct acagcagtgc ttctcagatg ggaagggaga	600
caatgtgtaa ggagatcagg aattcattag	630

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<210> 339
<211> 122
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t
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<400> 339	
ccanaatcca ctctccagtc tcctccctct gactccctct gctgtcctcc cctctcacga	60
gaataaagtg tcaagcaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	120
aa	122

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<210> 340
<211> 640
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (612)..(612)
<223> n is a, c, g, or t

<400> 340
ttttttttt ttttttttc agagtcacag atattgtata gctgaggtaa gcattttaca 60
acttttcaga cacaagtaag tacataaata ttattttaca accacaatn tttaatattt 120
ccacattgaa naatagatgt gataattaaa tcttttataa ggttttaaaa agacatgaaa 180
cataaaccta attatacata aaagaaaaga attttaaaca agagcttatt gngatgacat 240
tactcataac ttttaccttt aaaacctttt ctgggtagc tattcaaaag taaagaccac 300
aagtttttgt gcccanattt cttatgtttn gtatatttaa gctctttatt tattgaacag 360
atgngtcatt aattcatngg gagcattact attatcagta aaatttgatt tttttttccc 420
ctcagtcata ggtaaatcag ctccacctgg aatttctaag gaccagttt tagtcaatat 480
tttcaagtaa tcatgacctc agaaatagtc ttaattaaga taacaaatat tagccatcaa 540
aatggaacca agacaagatt ctaatgtttg taaacagtca atccatattt atgaatatta 600
gcatatatgt gngaatagtt aaggcaaaag ggtctagcag 640

<210> 341
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (505)..(505)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (557)..(557)
<223> n is a, c, g, or t

<400> 341
ttgtgttttt aggactcctt atctaaatta aggcagagaa gttacagtat ttatatctgc 60
attaaatctc aattccagaa aaaccttttg aaaaattatt taatcctctg gaaactattg 120
atatgataca ggagaaattt tcagaagttt attgaataat ttaatatcat ttaataggac 180
actctggctt gtatataagc agatacgta ctcagacttc ttggctgtac tctaaaataa 240
tatatgtact agtctcctaa atattactag ctacctttc aaaatgcata ctaatatctc 300

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aatgtctttc ttcaatttga aaagctcttg aatatctact tgtgatagcc ctaagagctg	360
agataattat ttccaggagg ttgaatccct gattcttaac tgttcagcaa tgcataagca	420
agagagaata tgacataaga ggaccatttc tacattagcc attttttttc acaagatacc	480
tatgtgaata cagggcacct ggganggtaa gtggaggact atttctaact atatttataa	540
gcacatactg atattgntga atcaaaacct acagcagtgc ttctcagatg ggaagggaga	600
caatgtgtaa ggagatcagg aattcattag tcacctttca gatggtttaa tgcatacagc	660
tgtaccg	667

<210> 342
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 342	
ggagttttgag cagatccttc aggagcggaa tgaactcaaa gccaaagtgt tcctgctcaa	60
ggaggaaactg gctactttcc agcgggagct gctcacagac caccgggtcc ccggccttct	120
gctcgaggcc atgaaggtgg ctgtccggaa gcagcggag aagatcaagg ccaagatgtt	180
agggacacca gaggaagcag agagcagtga g gatgaggct ggcccatgga tcctgtcttc	240
cgatgacaag ggagaccatc cccaccccc ggagtccaaa atacagagtt tctttggcct	300
atggtatcgg ggtaaagctg aatcctctga g gatgagacc agcagccctg caccagcaa	360
gctaggggga gaagaggagg cccaaccaca gtctccagct cctgatccgc cctgttctgc	420
cctccacgaa cacctttgtc tgggggcctc agccgcccc gaggcctgac ttaggggtct	480
ggctgtggaa ggatgtgtgg cctcaaatga ggacagggtc cccgccttca cagccctcgc	540
caggggtctg ccccaatcct ggctgcac aggcaaggac ggggtctcag c	591

<210> 343
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (622)..(622)
 <223> n is a, c, g, or t

<400> 343	
gcaagtcctc agtatgtaca ttatccctc agaagaagaa aaattagttg tgcataaaaa	60
agaaacatta actgcaaac taaatgtc cactctaat cagtgtcttc caaagtacag	120
caggggggaa aagaaaatgg tagatttttt tcttccaatt acctttaaact attcttttta	180

atggacactt catacataaa tatattcaca atatattaat atatacataa tgtataagca	240
tacatatgtga atgtgcagtc aaaaaatgta ctaatggaat gctctaccaa aacaagttca	300
cgttcatctg taaatggga ataataat taaaggcat acagtcctgaa catttttaga	360
ttattcataa aatctattca gaaagttaaa ctaaaaaatt taacgtatgc ctatacaaaa	420
ttttgtactt aatgtaattg nttttcatcc tgagatctaa tatcctcgtt ttttaagtaga	480
gccacttggt tgctacagtt tagtcaaaac gttaacatta gatgggtaaa gtaatatgaa	540
atctttctac tactccaaaa tagaaaacag aacattaaaa agataaaaaa tcaaacatac	600
ttaccagtag attttcaact gngcaaaagc tcattgcatg gg	642

<210> 344
 <211> 661
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (587)..(587)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (590)..(590)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<400> 344	
gttttccacc gtgaagagaa catttcctct gggaaatgaca aagccctcag gaacngcttt	60
tattttctatt ggaagatgcc catcatactt ctggcaggat aaaatgataa attttattat	120
tcaacagatg atactcaatt ccctgctggt ttactaaagg ttctttacgt tttatagaag	180
ctaaatttac tgtcatagaa attgcaattg tagatgttac tgtaatctag tcagaatatc	240
cttatccttc taaaataaaa ctagttaaaa ttattaacat acgtactgat attaatTTTT	300
aagtTTaatg ctgccacgtg cttctgctaa gaacatttat cactacaagt ggcagaaaaat	360
tccaaactca tcaaaaccaa actgttgctt cttccctgct ttttcagaaa atgagaaaag	420
atgactttat tccaacatat tctaaaagta ttccaagaac actaccttta ttctaaattc	480
gttattttca caaaataaag gctgcagatt gaaagataaa ggattgctat taaagaacaa	540
aagaaaacaa aaccgagaga gaaggagagc tagggaaatc cctgcanaan aaccgaatan	600

ggccccctcta ttctgggccc gggcctgaaa ctatgaaaca ggccaacaca gaatcttggc 660
a 661

<210> 345
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (628)..(628)
<223> n is a, c, g, or t

<400> 345
cctctgactc gctcagctca cccacgtgc tggccctgtg agggggcagg gaaggggagg 60
cagccggcac ccacaagtgc cactgcccga gctggtgcat tacagagagg agaaacacat 120
cttccctaga gggttcctgt anacctaggg aggaccttat ctgtgcgtga aacacaccag 180
gctgtgggcc tcaaggactt gaaagcatcc atgtgtggac tcaagtcctt acctcttccg 240
gagatgtagc aaaacgcatg gagtgtgtat tgttccagtg gacacttcac agagctggta 300
gttagtagca tgttgagcca ggcctgggtc tgtgtctctt ttctctttct ccttagtctt 360
ctcatagcat taactaatct attgggttca ttattggaat taacctgggt ctggatattt 420
tcaaattgta tctagtgcag ctgattttaa caataactac tgtgttcctg gcaatagtgt 480
gttctgatta gaaatgacca atattatact aagaaaagat acgactttat ttctggttag 540
atagaaataa atagctatat ccatgtactg nagtttttct tcaacatcaa tggtcattgn 600
aatgttactg atcatgcatt ggtgaggngg tctgaatgtt ctgacattaa caattttcca 660
t 661

<210> 346

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<211> 115
<212> DNA
<213> Homo sapiens

<400> 346
aaacttttgt ggcaacagtg cactaatttg gataatgttt gttccaata aattaagagc 60
caaatgttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 115

<210> 347
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (593)..(593)
<223> n is a, c, g, or t

<400> 347
gccaggcttt gtgaattaca ggacatttga gacaatcgtg aaacagcaaa tcaaggcact 60
ggaagagccg gctgtggata tgctacacac cgtgacggat atggtccggc ttgctttcac 120
agatgtttcg ataaaaaatt ttgaagagtt ttttaacctc cacagaaccg ccaagtccaa 180
aattgaagac attagagcag aacaagagag agaaggtgag aagctgatcc gcctccactt 240
ccagatggaa cagattgtct actgccagga ccaggtatac aggggtgcat tgcagaaggt 300
cagagagaag gagctggaag aagaaaagaa gaagaaatcc tgggattttg gggctttcca 360
atccagctcg gcaacagact cttccatgga ggagatcttt cagcacctga tggcctatca 420
ccaggaggcc agcaagcgca tctccagcca catccctttg atcatccagt tcttcatgct 480
ccagacgtac ggccagcagc ttcaaaaggc catgctgcag ctctgcagg gacaaggaca 540
cctacagctg gctcctgaag gagcggagcg acaccagcga caagcggaag ttntgaagg 600
agcggcttgc acggctgacg caggctcggc gccg 634

<210> 348
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)

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<223> n is a, c, g, or t

<400> 348
gttgccgggt cctgtgataa ctctgtttaa catTTtgagg aactgttgaa tggTTTTtca 60
cagcagctgc ctcatTTTT attcccatca gcagtacttc ttggttctaa tacctccacg 120
ttctgccaa cacttgTgtg tgctgtaat ttcgttgTta gccatcccag tgggggatgaa 180
gtagtatctt actgtggttt tcagttgcgt ttccctgata attaagtatg gtgaacatct 240
ttcatgttc ttgttggcca ttgtatgtc ttcttgggaa aaaaaaatg tctgttcaaa 300
tcctttacaa agtatTTatt ttttatgtca acaatataac cactcagtac actgctTTTT 360
anacaatgat cttttaagg ttgttttaca acatttagca cttgaaattt taaggttatg 420
ccctcaaaaa aattgtcag ggagctaagc tatgaagatg caaaggcata anaattatac 480
aatggacttt gggggaatcc agggaaaggg tgggaggggg gtgangga 528

<210> 349

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (54)..(54)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (423)..(423)

<223> n is a, c, g, or t

<400> 349
tcgactctga ttttttttct tccttcctcg cagccgcgcc agggagctcg cggngcgcg 60
cccctgtcct ccggcccag atgaatcctg cggcagaagc cgagttcaac atcctcctgg 120
ccaccgactc ctacaaggtt actcactata aacaatatcc acccaacaca agcaaagttt 180
attcctactt tgaatgccgt gaaaagaaga cagaaaactc caaattaagg aagggtgaaat 240
atgaggaaac agtatTTatt ggggttcagt acattcttaa taagtactta aaaggtaaag 300
tagtaacc aaagaaaaatc caggaaagcca aagatgtcta caaagaacat ttccaagatg 360
atgtctttaa tgaaaaggga tggaaactaca ttcttgagaa gtatgatggg catcttccaa 420
tanaaataaa agctgttcct gagggccttg tcattcccag aggaaatgtt ctcttcacgg 480
tggaaaacac agatccagag tggtactggc ttacaaattg gattgagact attcttgttc 540
agtcctggta tccaatcaca gtggccacaa att 573

<210> 350

<211> 659

<212> DNA

<213> Homo sapiens

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 350
tcattttacat taactactcaa aactgctcga ttaagcaggt gctgttctta tcgccathtt 60
gcatatgatg agaagggta aggtcaccca gctagtattt ggctcacagc aggccttaag 120
acttggtttg tgtgactcat cagtcacgc tcctaaaacc actaagttgt tctacccttt 180
aatgttgaat taacattgga tagtgttcaa gtttanatgg gtgggtgagg gcccaaggac 240
ctttcaaact cagatctctt atttaataac ctgggtcccag atccattcct ctgtcgaaga 300
ggaagtcac cttcagtggc tattcattgt ggggttaaga gcgcagacta tgaattcagt 360
ctttttgggt ccagtttgc cagaccttga gtgagtgccc cgagtttact tacttgtaaa 420
ggtaggtgga ggtaataata ttaaataaac ttaaaaaact aattaaaaac aaacaaatg 480
aactaaggct ttaggatata tggcgtctat ttgtcgcaa atcacataat gtctattgtt 540
gtgtgttga ctataggatt gtcccttaac aggggaagggt ttatttctgt aatcaagtct 600
gtcaatatta tgaccatgtt gataatagct acctttaatt gagggcttcc atgtgcaa 659

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<210> 351
<211> 517
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 351
tcagtggaaa agggcaggtt gaatcaaggt gaatcaatct gaaattgagc acacctgcct 60
gccatcgctg ttcttcaac tgagtctgc acatcatggg ctctgtctgt gagagaaaaa 120
tcccggtgct tgggtgcctt gcatgacatg gagttttgca ttagatcaa tttaaaaatg 180
acctcttgtt tacataattt gcataatttt aaaagataat gttgccaaac tttgaaatg 240
ttaatgttca nactgaaaat ctccactaca tgtaactttc ttctctgga tcagtggcat 300
ggcttataat ccagccagt ggtttgaact gttccagtg caactgccat gtgctctgct 360
tcaaggggga actagccttt tgtgaatttt ttgtacataa gtatttgta caaatatttt 420
agcaaatgct ttctatttct cttgcttggt catatcttgg ctggcggtac agaaaaatag 480
tgtaaacatt atttccttac cggggaatga gggtttt 517

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<210> 352
<211> 174

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<212> DNA
<213> Homo sapiens

<400> 352
agcacctggc acagagtagt agctaacaca gatgttaatt ttgctgcgtc aaatgttttc 60
actttgaatc tctcttgagt attgttctcc ttattgatta catgatgaca tcctgttttc 120
tctccctgac ctttactggt tgtttagaaa aaaaaaaaaa aaaaaaaaaa aaaa 174

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<210> 353
<211> 664
<212> DNA
<213> Homo sapiens

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<220>
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<222> (240)..(240)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (635)..(635)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

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<400> 353
cagagagctt gttccctccc tcctgtgca tgcaacaag agggcatggg agcacacaga 60
gagatggcag ccacctaca gccaagagga gaagcctcac aatcaaaactc tcgctgctgg 120
cgagagtctt ggactctgtc ttggacttcc agcctccaga ctgtgagaaa caaatattctg 180
ttgtttcagc ttctcagctt ctgggtgttt gttattgcag cctgagaaca cagctgtacn 240
attatnaggg aaacagaaaa cactgatact taacaatgct aatgcaatta tttatttgc 300
tttcagtctc tacaaaacgt tctaaaacac taatctaata attaacagta aaatatttgc 360
ataactaatg gaaactaaga aatcatatga ccaatatttc acttatttgg aatcttactc 420
tactgatttc cccccagact gtgatttttg aacttccttg cttttctcct gtccttctgn 480
gtttattcat ggaattccag ttatctgggc ttgaaattgc aggtctctct aacttaagca 540
aaatctgaca gatcagcaaa atgagataaa tgtttctttt ttctttctga ctgcattaaa 600
tcagatacaa ctcagcatta aaaagctatc ttgnaaaat gntgggtacta ataaattagt 660

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ctta

664

<210> 354
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (554)..(554)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> n is a, c, g, or t

<400> 354
ccaggtccac attcagtgaa gtcatgaact tgaaattggc catgatcaaa aagtatttaa 60
atcacagaag ttgcaaatgc cacaaatcaa ggtctttttc tcttggagaa cctgttaaac 120
atttaccac tcacgaccgc catgcacca atactgcaat aggtctatag atgcagatac 180
tgtctccatg aatcttatag gctagaaagg aaatagataa gtagtcctac cagaagaaca 240
tgatgaaggc atttgtggtg aacagaatga tggccccca aagatgtcca catcctaadc 300
cctgaagcct atgaatatat tactttactt ggcaaaaggg actttgccac aggtttttta 360
ttaaggacct tgaatatagag agattatcct ggataatcca gatggcccc a gtgtaatccc 420
aagggtcctc acaaaaggta ggaaggagag ccagagtcag agaaggagac gtagcaatgg 480
aggcagaggt canagagaga tctgcagatg ctgctgtggt ggctttgaaa atgaggaatg 540
caggtgacct caangngcta gatgatgcaa ggaacaacaat aatctcctat gaaccttagg 600
atgggcatta ttatgagtcc tattttataa acaagggaact gacntccaga aagataaatg 660
c 661

<210> 355
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (564)..(564)
<223> n is a, c, g, or t

<400> 355
ggcagaggtt gcagtgaact gagatcatgc cattgcaatc cagcctgggc aacangagtg      60
agactccatc tcaaaaaaaaa aaaaaaaaaa acaagagtnt ccactctaaa cacttntatt      120
caacatagtc ctgaaagtcg tagccacagc aatttaacaa gataaagcaa taaatgtat      180
tcaaatagaa aaagaggaag tcaaattatc ttacttgng atataattct ctacttgga      240
aacttcaccg aaaaagattt caccaaaaga tttctaagcc taaataatga cttcagcaaa      300
gtctcccatc acaaaatcaa catacaciaa tgagtagcat ttctgtgcac caataatatt      360
caagctgaga aaaaaagaac atgggttctat ttacaatagc tacaacaaa aaaatatgta      420
cctagtaata cattaaatca agngngtaaa atatctntac aacaagaact acaaaactgc      480
tgaaaaaaaa tagagacacg caaataagta aaaaggcact ccatgctcat gaatttaag      540
aatcaatata attaaaatgt ccgngctgcc taaagcaact tacagattaa aggctatttc      600
tctcaacta taaatgcacc ttttta      626

<210> 356
<211> 585
<212> DNA
<213> Homo sapiens

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<220>

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<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (543)..(543)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (569)..(569)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

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<400> 356
gtcattgctg ggtggcgcca gccctcagac ttgcctcttt gcagtaggaa gaaggcctcc      60
ccacatacct tccacactc atcaccttaa gccagactcg gtgtccagtg aatatgacca      120
tctcttgccc attttctaag gagtgttttc attaatgagt tataagaatg tgggtgggtaa      180
atctatgggc tttgaactag tgaatcaact tggtttcaga atctggcact gctacttact      240
agtgaattta agcaagttaa ttcacctttc agagtgtcag ttccctcatg catacaagga      300
agataaaaaa taatgtntac naaagtattg gagtaattaa tacatggaga actacatgta      360
aagcgtttag catgatgtct gacatattaa gcatccaata ttagtngcct gcagaattat      420
tagtaaaaga gattgtcttc gaaagccatt ccaattctta aattttataa tgccacattt      480
gagggtcacct gaagtcgtgt ataacatgtg tacatttttg cgattttatt tttcaatttc      540
canattaaag gcatagagat atcctagcna nggactccaa gtgtg                          585

```

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<210> 357
<211> 560
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

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<400> 357
gtaattgcag cctgggcaac ggagtgcag actgtctcag gaaaaaaaaa agaaaaaaaaa      60

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ctactgaggt agttgaatat atcctccatt cccatttgt ggattagtta gtaaatggg	120
catcttaggg tttaaatatg tccagggtca ctgaggatca gatcctaggg ttcctttgac	180
tcaaggcttt tgtctcagca aaacgtcacc ttccagcagg aaggctttct caggcaagta	240
gcagggtggc tactatgtat cgcttcttta tttttcttt tttaaaataa tgcaggcacc	300
gtgcgcataa tttaaaaaat cagtgcataa acccttaaaa aaaaaagct gttctcatct	360
cctgtctttt tttttttttt ctttttattt ttttcttta ttattattat actttaagtt	420
ttaggttaca tgtgcacaac gtgcaggttt gttacatatg tatacatgtg ccatgtnggt	480
gagctgcacc cattaactcg tcatttagca ttaggtatat ctccaatgc tatccctccc	540
ccctccccc tttttttttt	560

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<210> 358
<211> 645
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (345)..(345)

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (629)..(629)

<223> n is a, c, g, or t

<400> 358

gggaatgtct taggcactgg gactgtaagt gcaaagaccc tgtggcaca ggaatgtta	60
attatctacc ttctanaaac tggaanaagg cctagcctag agcattgaaa acaataaggg	120
aaaggaggag taaggctgga nagataggaa tggtttaaa tctttgttaa aaatTTTTT	180
aaaaaaatct ttatcacaag aagaggattg gcntgatcaa atttgacttt taaaaanatt	240
acttggtgtg ggcagatgca aatactactt agggagatta gtttanatga taatggcatt	300
ctggaccana gtggagctag aggtgaaaag aggtagatat tcanaattg agggatttgt	360
gaggtgaaat catttgttac agatattaaa ggataaggag ctttgtcaaa ggggatctta	420
agtttctgtg atggtaactg ggttagagag ccctggaaca tgaccagctt taagggaaga	480
gagcttgagc tctgttcttg ttaagctcag tttgagatct ttgtggaatc aagtggagag	540
gtctaagcag ggaactggct tggctaggct gtaaagatga atctgagagt cccaagaata	600
tggttaattat taataaaagc cttaggtana tgaaattgtt ttggg	645

<210> 359

<211> 509

<212> DNA

<213> Homo sapiens

<400> 359

gcaaatctac acatttgatt aaatgatagg gaactatgca cacacataat acatataatg	60
ctagtttctt ggttttgata ttgtaccata gttatgtaag atgtaacat tgggggaaac	120
tgggtgaagg ctacatgaga cctctctgta cttaatcttt gcaacttatg tgaatctata	180
attattccaa aataaaaagt tttaaagaac ctaagtatcc ttattactga gggctatcgt	240
gctagacagc aaggttgggc cagagcttct agttatttaa aatactaaat accagcctgg	300
gcaacatagc aagacctgcg ctctacaaaa agcaaaaaaa ttagtgggc atgggtgtac	360
atgcctgtgg tcctagttac tcttgaggga gtctgagggt gggagcttga gcctaggagt	420
ttgagcccg agtgagcctt gattgtgtct ctgtactcca gtctgggcca cagagcaaga	480
cccgtctctt aaaaaataat aaataaata	509

<210> 360

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<400> 360
antgcactcc agcttggtga cagagggaga ctccatntta aaaaaaaaaa aaaaaaaaaa 60
aaagggagta gcttgaagcc acatagtagt tagtggtata ggccaccctt tttccacaa 120
ctcacaccag caccacaagc tagcctttnt aatttccaag ccagtgcctt ttcaacgcac 180
acaccctgtg gtcagttccc tttctgctgc aagctctctg gaggcagata ctgttgagtc 240
cctggcctgc ctatgagaac ggctcatgat ctctatttct tctgttaat gaccatctcg 300
aagtaacaag tttagcctaa aataaacttg ctaagttagc aaaggaagtc cttagcagcc 360
accatttctc gattctcca tcacctcccc tgcccccaa ctccctcatt tctcccaaga 420
tatgggctcc aggtgggctg cggtggctca cgctataat cctagcactt tgggaggctg 480
aggtgagcag atcactgagg tcaggagttc g 511

<210> 361
<211> 16
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<400> 361
tcnttcggaa cgcgcc 16

<210> 362
<211> 579
<212> DNA
<213> Homo sapiens

<400> 362
ctggagggat gggtaggatt ttgacaagag tggttgaagg tattctaatt cacttagtac 60
ctacatgtgc gaggcagcat gaaggcaaaa aagcctgggg catgttcaga gaatagcaag 120
tattctagtt tgagtgccac ctggtacgta tataagggaa tagtaaaaga tctggctgga 180
aaggaaaagt aggggacagt tacgaaggac ctctgaaagt cagactgtgg aactggaact 240
tttatcagga agcagtagtt agttttttca agcaaaagct aattagagtt gatatttagg 300

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aggatgaatc taacagttgt gtgcaaggat gccttcaaac tgagtgaagac tagtactgga	360
gactggttaa gagactacaa caataacctg agtaagaatt aatacaggcc tgacctagtt	420
ttgagtgaat aggattggaa acaagagttt taggtattat aggatttatg catataaaat	480
ggacttgaca gaacttgaag aaagagaaag tgtcaaaagg acacagaaag tgaggcagga	540
tatcttcaaa tgttaaagga aaggaataat agaagttac	579

<210> 363
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 363 ggaaacataa gcttgtttca gtacactcac gctgtagatt aattctgata ttacatatct	60
ccatcagact ttgtaccctc tctcttccat cccttaccct taccgattag gttgtgatta	120
cctaaaaatc catagaaaat gtccagggtga attgccttat gctttctacc ccataaggta	180
taatt	185

<210> 364
 <211> 649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (649)..(649)
 <223> n is a, c, g, or t

<400> 364 ctctgtggtg tgagaacaca gtgggtgacc aaggctttcc agatgaacc aaggaaagtg	60
aaaaagctga tgctaataac cagacaacag aacctcagct taagaaaggc agccaagtgg	120
aggcactctt cagttatgag gctacccaac cagaggacct ggagtttcag gaaggggata	180
taatctgtgt gttatcaag gtgaatgaag aatggctgga aggggagtg aaaggggaag	240
tgggcatttt ccccaaagtt tttgtgaag actgcgcaac tacagatttg gaaagcactc	300
ggagagaagt ctaggatggt tcacaaacta caaagctgaa gaaaatgaag ccctattact	360
tgtttgtaag atttagacc ctctgctgt atactgtact gagacattac agtttggaag	420
tgtaactat ttattccctg ttaaaattta acctactaga caatgatgtg agtaccagg	480
atgatttcct ggggcacagt ggggtgaggag atggggacag gtgaatggag gagttagggg	540
agagggaaaag tggatggaag tgtctggaaa gggcaccaaa aaagctctcc aggtctgac	600
ctgtttcttg ctctgagtc tagctaccac tgtgtcacac tgtaacatn	649

<210> 365
 <211> 655
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (607)..(607)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (644)..(644)

<223> n is a, c, g, or t

<400> 365

ctcagctctt gcctgggtcac cttgtgggtt ttaccatcct catccctcgt gccaccacaca 60

tcctgccact tctgcatgga gttgggggtg ggccattgga gaaaagaggt taaacaagca 120

gtaatttact tgagtacagt ctttgagcca atgaaatgcc agtcattcatt tcccaggggt 180

acttgctcat ttgtcaacaa cccgctgata atgctccttc aatgtgaata gcaaaagtag 240

ggagagagcg tgaatgaaga agatgcctac ccctcaggaa gactgctgtc gcctccagg 300

cctgcatgca cacacccatg cccacctgca cccccagcac cagccacaca ctactctgca 360

cacaccacaca tgccagtgtt ttgggggttg cagcctggac actgctgagg caaacacaag 420

tcataagca taattctcat tctctccttc tgtctctgtt ttagttagag gaatttggtc 480

agtttagagg atttaataag tccgtggaaa atttgtttct gtctcttgcct acccacgtga 540

aaagtaagt catgcttcat gatgtgtttt cccactacct tccaggccag ccgagccac 600

tgccanggc ctggcccggt gacctcggtt gacctgtcc tcangccact cactt 655

<210> 366

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (254)..(254)

<223> n is a, c, g, or t

<400> 366

cagaatttca tgtttatgct gcacaaggcc tgtattttat aatggtggct cttttggacg 60

atgacttctc cgatggtgaa acttccagta atctccctca tcatactgaa atgatattcag 120

tatatcatca gaacacccatg gagcttgta tttgaggagc acagcttgcct tgtgtgcttg 180

ggaaagaaga ggtttagcat ggtttcagggt cagtgatgag tccaatgatc tctgcaagtt 240

cccttagctc tganaattct gatgtcatat gcactttctg cgcagagatt gctgttact 300

ggatgcgtaa gaagaaaaga aaaaaaaaaa aaaa 334

<210> 367

<211> 582

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (506)..(506)
 <223> n is a, c, g, or t

<400> 367
 cttccattgg gggtaaagat caaactttag gcgagccagg tctgtatctc cattcctgtc 60
 tctgactgct tcctgttagg gattgtctgc aagcgcacac ctgcattttc ttgtccacaa 120
 gtctatgtct taactctgtc acctgcatgg ctgcaaatta gcttccttct tcctgccctc 180
 ttctctctag cttggatttt gaatttgaat ggcaggcatg ggatgtccgt gtgtgtgtac 240
 tgctgatgtg tacagccgct tgttagcgct ctcatgtctt tcaaatgtaa gtcattttgg 300
 ctgggtgcgg tggctcatgc gtataatccc acgctttggg aggctgaggt gagctgatca 360
 tttagaggta ggagttcgag accagcctgg ccaacatggc aaaactccat ctctacacaa 420
 aatacaaaaa ttactgtggg atggtagtgc acgcctgtaa tccagctac ttggaatgct 480
 gaagcaggag aattgcctga acccangagg cggagggtgc ggtgagccaa gatcacgcca 540
 ctgcactcca acctgggtga cagagcaagg ctgtgtctca aa 582

<210> 368
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 368
 acctgacttc aaactatact acgaggctac agtaatcaaa acagcatggt actagtacaa 60
 aaacagacca atggaacaga atagagatct cagaaataaa actgcacatc tacaaccatc 120
 tgatcttcaa caaacctgac aaaacgagca atgggggaaag gattccctat ttaataaatg 180
 gtgctgggag aactggctag ccatgtgcag aaaattgaaa ctggaccctt tccttacacc 240
 ttatacaaaa attaaactcaa gatggattaa agacttaaat gtagaaccaaa aaacgataaa 300
 aaccctagaa gaaaacttag gcaatatcat taaggacata gacatgggca aaaatttcat 360
 gatgaaaaca tcaaaagcaa tggcaacaaa agcagaaact gacaaatggg cttctgcaca 420
 gcaaaagaaa ctatcgtcag agtgaacaga caacctacag aatgggagac agtttttgca 480
 atctatccat ctgacaaaaa tctaatatcc agaatttaca aggaatttaa 530

<210> 369
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (596)..(596)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (621)..(621)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (634)..(634)
<223> n is a, c, g, or t

<400> 369
caaaaaacaa gaattaccgc ggcttggtgg tgcattgtctg tagtcctatc tactcaggag 60
gctgaggctg aaggatcact tgagcccagg agtttgaggc tgcagtgaat gagccatgat 120
catgccatgt tactccagcc ttggcagact gagcaaaact tggtcctctg caaaatgttg 180
aagcccagtt ttactatta acctgtatct cagtttcccc atgctaactt tgaacactgt 240
gggctggcct gagggataaa aggccttatt aaactcagta atttaaactt aaaatcctaa 300
ggaacttcaa aaagtgtaat ctagtccaaa tggggcatca attctaaagc atttgcttgt 360
ttgagcagat ttctgtgtgc tgaggatat agataactta tcttttatg actaaatcca 420
agtccttagt tcctgttgga attcaaaatc atatttaaaa attgatgctt tgttctataa 480
ttaatgcttt gattgtataa ataataagta ttcttccaaa tcccttttta cagatgatga 540
ttctgatacc gagcgtcaa atgacttgcc aaaatttgca gatggaatca aggcngaaa 600
cagaaatcag aactacctgg ntcccgatcc tgncttaaa attctaactc gac 653

<210> 370
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (544)..(544)
<223> n is a, c, g, or t

<400> 370

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gaggggtgtag aagagaagaa gaaggagggtt cctgctgtgc canaaaccct taagaaaaag	60
cgaaggaatt tcgcagagct gaagatcaag cgcctgagaa agaagtttgc ccaaaagatg	120
cttcgaaagg caaggaggaa gcttatctat gaaaaancaa agcactatca caaggaatat	180
aggcagatgt acaaanctga aattcgaatg gcgaggatgg caagaaaagc tggcaacttc	240
tatgtacctg cagaacccaa attggcgttt gtcacagaa tcagaggatg caatggagtg	300
agcccaaagg ttcgaaaggt gttgcagctt cttcgcttc gtcaaatctt caatggaacc	360
tttgtgaagc tcaacaaggc ttcgattaac atgctgagga ttgtagagcc atatatgtca	420
tgggggtacc ccaatctgaa gtcagtaaat gaactaatct acaagcgtgg ttatggcaaa	480
atcaataaga agcgaattgc ttgacagat aacgctttga ttgctcgatc tcttggtaaa	540
tacngcatca tctgcatgga ggatttgatt catgagatct atactgttgg aaaa	595

<210> 371
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 371	
catttccaga gtttatgtga attgaattga actatgggtt tatgttactg tcagtagaat	60
gaagtacgaa tatttgaaaa atacaccttc aacttcaaag tgattcttga caaaaattat	120
aaggaatcat tttggacaca ttttctggta ggccttgta aaaattaaaa ccaagtgttg	180
ttttcaagaa gaactgtaat acataatcag gaatttgagt agggagatta ttttgttatt	240
taaaattaaa gtggctgtgt agttttaact ttagtattgc aggtagagta agcttacatg	300
ataacaaaaa tcttggtcct agtgacttaa tgattctgat atttattgat tgattgggta	360
tcattccaaa tattttaaaa gataatagct ggctgggtgc ggtggctcat gcctgtaatc	420
ccagcacttt gggaggccag gacgggcgga tcacgaggtc agggagatcaa gaccatcctg	480
gctaacacgg tgaaccccg tctctactaa aaatcaaaaa attagccggg tgtagtggcg	540
ggcacctgta gtcccagcta ctcaggaggc tgaggcagga gaatggcatg aacctgggag	600
gcggagcttg cagtgagctg aaatcgtgcc actgcctcca cctggcgaca a	651

<210> 372
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

<400> 372	
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tcaggggagg	tggaggagga	gggtctgcc	agctactgca	acatctgtca	cccactatac	120
ccagttaact	gggggaggac	agacactgtg	gtgtcattaa	agttgtttga	accaaagtgg	180
cggctgcac	tttgtccgc	tgctagccgt	gccggtctcc	catcatccgc	tcgcccctct	240
ttnccttggg	ctgcgccac	ttgtcttct	ggatatttgg	gggtgactcg	ccatgcttgg	300
caccctctgc	ttcctgggtc	tgctctgact	cgaagacggg	acagtccctg	gtgcacatcc	360
aggaagagg	agtgtcggta	gttcttgtag	taggcacttt	atcaggacct	gacctgttgc	420
tgggtgattt	tagtctctac	aaacagaaag	cgtttcaaa	cgtcagctgt	gggagcagag	480
tgaccctttg	ctgatgctgg	ggggagggga	tctaaatcct	catttatctc	t	531

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<210> 373
<211> 602
<212> DNA
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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400>	373	
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	tggcatgagc	cacagtttct
	tgactggagg	60
ccatcaacc	tcttggttga	ggccttggtc
	tgagccctga	catgtgcttg
	ggcactggtg	120
ggcctgggct	tctgaggttg	cctcctgccc
	tgatcaggga	ccctccccgc
	tttcttgggc	180
ctctcagttg	aacaaagcag	caaaacaaag
	gcagttttat	atgaagatt
	anaagcctgg	240
aataatcagg	ctttttaaat	gatgtaattc
	ccactgtaat	agcataggga
	ttttggaagc	300
agctgtgtgt	ggcttgggag	atcagtgggg
	ccaagggttc	tctgtccctg
	gttcaactgt	360
gatttggtct	tcccgtgtct	ttcctggtga
	tgcttgtttt	ggggttctgt
	gggtttgggt	420
gggaagaggg	ccatctgcct	gaatgtaacc
	tgctagctct	ccgaagccct
	gcgggacctg	480
ttgtgtgaac	cggtgtgaca	gtggtggccg
	cgctgtgcct	gctcgtgttg
	cctacatgtc	540
cctggctgtt	gaggcgctgc	tttaacctgc
	accctncct	tgctcatana
	tgctcctttt	600
ga		602

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<210> 374
<211> 230

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<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<222> (132)..(132)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 374
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ccgggcgtgg cggcacatgc ctataatccc acttacttgg gaggctgang tagggagaatc    120
gcttgaaccc ananaggcag agtttgacagt gagccgagat tgtgccattg cactccagcc    180
tgggcgacag agcgagactc catctaaaaa aaaataaatg aataaaaataa      230

<210> 375
<211> 483
<212> DNA
<213> Homo sapiens

<220>
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<222> (25)..(25)
<223> n is a, c, g, or t

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<222> (138)..(138)
<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
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<222> (199)..(199)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (218)..(218)
<223> n is a, c, g, or t

<220>
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<222> (233)..(233)
<223> n is a, c, g, or t

<220>
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<222> (261)..(261)
<223> n is a, c, g, or t

<220>
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<222> (286)..(286)
<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

<220>
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<222> (291)..(291)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
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<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (379)..(379)

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<223> n is a, c, g, or t

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(381)..(381)

<223> n is a, c, g, or t

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(386)..(386)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(398)..(398)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(401)..(401)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(403)..(403)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(407)..(407)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(423)..(423)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(428)..(428)

<223> n is a, c, g, or t

<220>

<221> misc_feature

(432)..(432)

<223> n is a, c, g, or t

<220>

<221> misc_feature

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<223> n is a, c, g, or t

<400> 375

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ctttccatga tatgtatgtt ttatacattg ctggatttta ttgctaata ttttacttag 120

gatttaattt tctaagtnga cctataattn tcctgtataa aattgcattt gtcacatttt 180

agtatcaagg ttgtcttanc nccatgaaat ggatttanaa tggtttatgt aanataaagt 240

acatttcttc taaaggtttg nggtgattaa ctttcaaacc tgccanagng ngtttttttc 300

cttttttttt ttttttcatt tnaaggaggagn gcaagtanc tttcaaatnc tgatttaatt 360

tttaaaatat	ttncaaagtnt	ntttanagtt	tttatttntt	ntngaangtt	aacattttta	420
tanaaaaangg	tnttatcttt	ttaaattctt	tgacatcagt	ttcttcanaa	ttccttcttt	480
taa						483

<210> 376
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 376		
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ccctcgtctt	cccttccttt	cccagagcca tcttcccagt ccaccatccc catcgtgggc 120
attgttgctg	gcctggctgt	cctagcagtt gtggtcacg gagctgtggt cgctactgtg 180
atgtgtagga	ggaagagctc	aggtagggaa ggggtgaggg gtggggtctg ggttttcttg 240
tcccactggg	ggtttcaagc	cccaggtaga agtgttcctt gcctcattac tgggaagcag 300
catccacaca	ggggctaacg	cagcctggga ccctgtgtgc cagcacttac tcttttgtgc 360
agcacatgtg	acaatgaagg	acggatgtat caccttgatg gttgtggtgt tggggtcctg 420
atttcagcat	tcattagatca	ggggaaggtc cctgctaagg acagacctta ggagggcagt 480
tggtccagga	cccacacttg	cttctctcgt gtttcttgat cctgccttgg gtctgtag 538

<210> 377
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 377			
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cctccctctc	atttccatt	aagtctgaga ggcaagagct aggttaggca aggaggtggt 120	
tggccagaga	tggggaacag	ccaggtgccc cagtctctg atttttctc catcctgctt 180	
accacctccc	tgggtactta	cagccttctc ttgggaacag ccggggccag gactgggtca 240	
cctatgagct	gaatcagcat	ctcctcctga gtcccagggc ccctgcagtt cccagctctt 300	
tctgtcctgc	agcccttgcc	tctttccac aggttcact ttatatccac cttttccttt 360	
tgttcaattt	ttatttttat	tttttttatt attaaatgat gtggctctat gaaaaaaaaa 420	
taaaaatctg	acttagtttt		440

<210> 378
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 378		
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acccaatg	tttctcaat	tatgccatg	ccacaaaac	aataaaaca	aattctctaa	120
actgcaaag	agtgagccat	gcctgttaac	actgtaaaga	atgtaacatg	tgggggacac	180
acaggggcag	atgggatggt	ttagtttagg	attttattag	tgcatgcctt	accctctggg	240
ggaacgtccc	atctgaggtt	ttcttctcgg	tggggggatt	taacttctgt	cctagggaaa	300
acagtgtctg	atgaggagtg	ttccaacac	aggctacatg	aattccccta	taccagtgcg	360
aaagcagcca	ggagtcctcg	tgggaaaaga	acaatgccac	tctcttttat	gtatcttggt	420
tctgcaactc	atttgttgta	agtaggggta	atcgagtatc	aggttcacag	tatcctgcc	480
ttattat	ttt atgattcact	gactcaagtt	cca			513

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<210> 379
<211> 646
<212> DNA
<213> Homo sapiens

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (503)..(503)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (570)..(570)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (598)..(598)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (605)..(605)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (613)..(613)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (645)..(645)
<223> n is a, c, g, or t

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<400> 379

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gagagtga	aaattctggt	acaaattggg	aaattagtat	ataacaacat	agtgttaaat	60
tcaatggg	aaagtttaata	agaggatttg	gtatcaactg	gctgtccaaa	gataaaaatg	120
gaccgtccta	tcacatacaa	aattgttttt	tagataaaga	tttaaataca	ggcactcctt	180
catttgcgtg	gtgcaccttg	agggtgttga	gaaatgatga	gagctgaaac	tgcaagacaa	240
ttttaatact	ttatctgttg	gaaatcttat	agttttcctg	tgaccgttaa	aattttcatt	300
aaactattaa	aaacacccat	gactggtcac	aaatgtattg	ggaaatggaa	aagaattaat	360
acactaaaaa	tacaaaaaat	agaaaatatt	taaaattatc	taaaaatttg	aaacattaga	420
aaaattgaga	actaggcagg	gcgtggtggc	tcacatctgt	aattttagcc	ctttgggagg	480
ctgangcagg	tggatcacct	gangtcagga	gttcgagacc	agcctgccaa	cgtaggggaaa	540
cccgtctctc	actgaaaata	caaaaattan	ccgggcatgg	tggcacaagc	ctgtaatnct	600
tgctnaccag	gangctgagg	caggagaatc	acttgaaccc	angang		646

<210> 380
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (51)..(51)
 <223> n is a, c, g, or t

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (183)..(183)
 <223> n is a, c, g, or t

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 <222> (185)..(185)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<220>
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 <222> (230)..(230)
 <223> n is a, c, g, or t

<220>
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 <222> (244)..(244)
 <223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
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<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(356)
<223> n is a, c, g, or t

<400> 380
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taccactaag gcctgtcccc agctttatca cctgagcact aacaagtgtc gtgtggagtt 120
cagtccatgc tggtaatcnt tgagtattca gtgggtcttt taacaattac caccgtggag 180
gananagcaa ggaagagaaa tgctgtgatc ttttctgtt tttaattagn gaaagagggg 240
ttanattaaa caaatgttac agagntgtga cntgatccc ccagnggtaa gcaataattg 300
tanagactgg atttnaana ccctgagagt ttattttcaa cctatntatt atagnncaat 360
cc 362

<210> 381
<211> 80
<212> DNA
<213> Homo sapiens

<400> 381
acaagccttg ggggctggac tccctctact gcctctggcc atacccccctc ctggagatgg 60

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ggtcaaggca ccaggactga

80

<210> 382
<211> 435
<212> DNA
<213> Homo sapiens

<400> 382
tcgcttgtaa agcctgagac agctgcctgt gtgggactga gatgcaggat ttcttcacac 60
ctctcctttg tgacttcaag agcctctggc atctctttct gcaaaggcat ctgaatgtgt 120
ctgcgttctc gttagcataa tgtgaggagg tggagagaca gcccaccccc gtgtccaccg 180
tgacccctgt cccacactg acctgtgttc cctccccgat catctttcct gttccagaga 240
agtgggctgg atgtctccat ctctgtctca acttcatggt gcgctgagct gcaacttctt 300
acttccctaa tgaagttaag aacctgaata taaatttggt ttctcaaata ttgtctatga 360
agggttgatg gattaattaa ataagtcaat tcctggaagt tgagagagca aataaagacc 420
tgagaacctt ccaga 435

<210> 383
<211> 571
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<222> (10)..(10)
<223> n is a, c, g, or t

<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (40)..(40)
<223> n is a, c, g, or t

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<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature

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<222> (104)..(104)
<223> n is a, c, g, or t

<220>
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<222> (131)..(131)
<223> n is a, c, g, or t

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<222> (159)..(159)
<223> n is a, c, g, or t

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<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (483)..(483)
<223> n is a, c, g, or t

<220>
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<222> (571)..(571)
<223> n is a, c, g, or t

<400> 383
ngatatagtn ccgcatggga aagatganca ggtataaccn agcntnatat agcaaggact 60
aacccccctg ctttctgcat aatgaattaa ctagaataa cttngcaagg agagccaaag 120
ctaagacccc ngaaccaga cgagctacct aagaacagnt aaaagagcac accgctctat 180
gtagcaaaat agtgggaaga ttatataggta gaggcgacaa acctaccgag cctggtgata 240
gctggtgtgc caagatagaa tcttagttca actttaaatt ngcccacaga accctctaaa 300
tccccttgta aatttaactg ttagtccaaa gaggaacagc tctttggaca ctaggaaaaa 360
accttgtaga gagagtaaaa aatttaacac ccatagtagg cctaaaagca gccaccaatt 420
aagaaagcgt tcaagctcaa caccacttac ctaaaaaatc ccaaacatat aactgaactc 480
ctnacacca attggaccaa tctatcacc c tatagaagaa ctaatgttag tataagtaac 540
atgaaaacat tctcctccgc ataagcctgc n 571

<210> 384
<211> 689
<212> DNA
<213> Homo sapiens

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (593)..(593)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (634)..(634)
<223> n is a, c, g, or t

<400> 384
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gcgaaactct gtctcaaaaa aaaaaaaaaa aaaaatttgt tgactgttgt aatttaaagc 120
ttgtcatttt ttatttagta ataactca ttagttagtg atctatgatg aaccagggtc 180
tgcacaaagt accttatgtt catggcctca tatcgtcttc tccaaaactc tgcaagatag 240
gattcatcac cacttatagg gagagatctg aaagtttaaa attgtacca aggtcacaca 300
gctggttaagt gccagagctg ggattccgta ggggtttcan agtgcctctc ctgccgtagg 360
cttatcaca aaagtcaaag ttgggtcata ataaagcctg aagtttgga ggatttaaaa 420
atagtcacca nacttttgag ttggagcatc ccacctcact gctgttcacc ttctgtggca 480
gggagagtca tcatttccat ttcagcttgt ggaatatctt gtcattaaca ttctcatgca 540
aaagccattt tatgggtgcc aatgaanatg gttaagctac tgcccaagc cntnggaagc 600
cttcctaatt ttggacttgc actatgcaaa ttgnataata ttttctctac cctaagccaa 660
atattttctt cacttttcat tcattctac 689

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<210> 385
<211> 542
<212> DNA
<213> Homo sapiens

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<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

<400> 385
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ccgaaggaga aggggggtaa gtaaggaggt ctctgtacca tggctcgtac aaagcagact 120
gcccgcacaa cgaccggtgg taaagcacc aggaagcaac tggctacaaa agccgctcgc 180
aagagtgcgc cctctactgg aggggtgaag aaacctcatc gttacaggcc tggactgtg 240
gcgctccgtg aaattagacg ttatcagaag tccactgaac ttctgattcg caaactcccc 300

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ttccagcgtc tgggtgcgaga aattgctcag gactttaaaa cagatctgcg cttccagagc	360
gcancatctg gtgctttgca ggaggcaagt gaggcctatc tggttggcct ttttgaagac	420
accaacctgt gtgctatcca tgccaaacgt gtaacaatta tgccaaaaga catccagcta	480
gcacgccgca tacgtggaga acgtgcttaa gaatccacta tgatgggaaa catttcattc	540
tc	542

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aaaaaaaaan tttaacc	198


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<212> DNA
<213> Homo sapiens

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gactgtttaa atagacgggc aagggtggaac cttttgaaag atgagctttt gaataataagt 180
tgtctgctag atcatgtggtt gtattgaact aacaagggtt gcagatctgc tgacttatat 240
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aaactaaaga ttttagtcat ctggtggaaa aggagacttt aagattgttt agggctgggc 480
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aanatggntt tngngggttc nttnctnnnt nnnncatggg ananaattna ttntctnctn 120
nnttccttnn ccttnaant accttcccc nattttctcc cctnttctn aattancatc 180
ctctccnct anntcnaac nttaatggca anactatcta atancnanna taanancctc 240
tgtnnccac atntcttatt nncgcnnca ngtnccann ccncagagtn aactcatcct 300
cnncnnaant tcatatcgtg nncntnnnc nntngcgcga natattaann anaccngtan 360
ntnnnanaca nnanntnngn aanaancctt ctannntttt agcntcnngc nntaacnnnn 420
ntcttngtgn nnnncagct ttncnncat natnctnctn cgaantntca nncntctccn 480
cttnaatggn ttcccatgna ttaantncct cgnnnanagc actatcgtnn nngagnnnat 540
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ctgagctgga ttgacatagc ccttggcgga tttaaacaac ctaaacatta agcagtagac      180
ctgcctcaaa cctttgggat tttcagaatg actgacactg ccgaagctgt tccaaagttt      240
gaagagatgt ttgctagtag attcacagaa aatgacaagg agtatcagga atacctgaaa      300
cgccctcctg agtctcctcc aattgttgag gaatggaata gcanagctgg tgggaaccaa      360
agaaacagag gcaatcggtt gcaagacaac agacagttca gaggcaggga caacagatgg      420
gggtggccaa gtgacaatcg atccaatcag tggcatggac gatcctgggg taacaactac      480
ccgcaacaca gacaagaacc ttactatccc cagcaatatg gacattatgg ttacaaccag      540
cggcctcctt acggttacta ctgatagaaa tgttggcagc ttttagtaaa agcatttact      600
ctgttaccat gagaaa                                         616

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	aancgtgcac ctccgggcact caaagagatt cggaaatttg ccatgaagga gatgggaact	180
	ccatagtgtc gcattgacac caggctcaac aaanctgtct gggccaaagg aataaggaat	240
	gtgccatacc gaatccgtgt gcggctgtcc anaaaacgta atgaggatga agattcacca	300
	aataagctnt atacttttgt tacctatgta cctgttacca ctttcaaaaa tctacagaca	360
	gtcaatgtgg atganaacna atcgctgacg gtcagatcaa anaaant	407

<210> 392
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 <212> DNA
 <213> Homo sapiens

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	cactgagaac atccgccgtg tgttcaacga ctgccgtgac atcattcagc gcattgcacct	120

tcgtcagtac	gagctgctct	aagaagggaa	cccccgaatt	taattaaagc	cttaagcaca	180
attaattaaa	agtgaacgt	aattgtacaa	gcagttaatc	accaccata	gggcagatt	240
aacaaagcaa	cctttccctt	cccccgagt	attttgcgaa	acccctttt	cccttcagct	300
tgcttagatg	ttccaaattt	agaaagctta	aggcggccta	cagaaaaagg	aaaaaggcc	360
acaaaagttc	cctctcactt	tcagtaaaaa	taaataaaac	agcagcagca	aacaataaaa	420
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ataaaaatta	aatgtgagca	aag				503

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			agcaaaaacg
			60
ctaggtaaaa	ataaatgtaa	tacaatttta	gctatgaacc
			aaaaaacctat
			ttgtggtgtg
			120
gatgcaagaa	agtcctggatg	ggtgcagagt	tctccatggt
			tcacttctga
			catttgaaaa
			180
tacgcagttt	gcatttgata	cgtaaatgt	tatttttaag
			aaaaccaata
			aatcatttaa
			240
aaccgaaaag	gcagttttgc	ttgtttttac	cttagttgga
			gttatctgca
			attgccgtat
			300
tagtgtttta	aggaaactgt	aagtaagctc	cttagtcccc
			tttagagcta
			cgaacatgt
			360
caattttact	tttctccagc	tttttggaa	cttatctaaa
			ttaccatgta
			gagtcttgca
			420
tagcttcaaa	ttctcttagc	caatgtggtc	tgtaaagtgc
			tatcgatgaa
			tttcaccggt
			480
aattgccgta	gtatactgtc	ctgtaccgga	tgtgaagagg
			agcaactctg
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			540
tggtgtctcc	catggttaga	angaatggct	tatcaatggt
			cggattt
			587

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			gcgccatgga
			gacggtacag
			60
ctgaggaaac	cgccgcgccg	gcagctgaaa	aagttggatg
			aagatagttt
			aaccaaacia
			120
ccagaagaag	tatttgatgt	cttagagaaa	cttgaggaaag
			ggtgagtgta
			aagaaactat
			180
aggtaggtca	ttgggtccca	gtctttttcc	tgtcccgaaa
			gaagcagaag
			gatatgaacc
			240
tttcagcatt	gttctaggtg	gggtggaagg	taaatttaca
			gcttgtgatg
			tccttcttcg
			300

ctttactcca atccctatta tagacagatt tagtgattcc tggctctttt aacacgaaga	360
atatctattg ttttctcttt tgtaggatct gtagtatttt atctacttaa cagatagcac	420
taattagatt aaaattctat aagaaacttt ttaatttgct gttcataatt tctgattggt	480
atgcaataac tgtttcaatg aaaatcaatg taatttagta ttttaatat tgcacctttg	540
tgaatatag taaataaatt aagcactatc accaccttca cagctactta ggagatccac	600
aatcctgggt tgggagccag tggatttcct gaaacacaga ttgttaatg	650

<210> 395
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 395	
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aacttttggt ggacaggtat gttttcttgc agctgcggtt gtaaggctct ggcaagacaa	120
gcagtgtggc cagaattttt aacttctgat gaatgtgtaa tgcaaggac ctgtgacatt	180
ttttgtttc aaggtcctca aaatgagcac atgaagggtt tgctgtgaaa ctttaagtgg	240
ccctactcgc cagaagcatt cagatgtcac ttgatgatct gtaagggaaac ttgctgattt	300
gggaatgtgc ttagggaaca cacattcctt ttgacagggc ctgtcactgg gtgggtgatg	360
aattatacag atgacatgtg ctttttttct ttttttcaac ctcaatggta ttcctacagg	420
aaatggataa ccatttttaac tgtatttttt gcagcccgtc cttcttggg aatacaattg	480
tctaactttt tatttttggg ct	502

<210> 396
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 396	
ccacaataat aagagaaaaa caggagcaaa aggatataca aaaccaccag aaaacaata	60
acaaagtgac aggagtaagt ccttaactgg caataataac catgaatcta aatgatttcc	120
atttcccact taaaagataa agacatgctg aatggataaa aagctgtcac ccagttatat	180
gtgcctaca acaactcac ttcacctgta aacatacata tggatggaaa gagaaggcat	240
gggaaaagat actctactca aatgaaaaca aaaaccaaac aaagtggtct attcttatat	300
gagataatac agacattaaa tcaaaaaactg gaaacaaca caaagtcatt gtataatgat	360
gaattcaatt atatcatgat gaattcaatt atatctctct tcctgatcaa ttcagaaaagg	420
aggatataat ctttttaaat atatatacac ccaaccaccag agcatataaa tatgtaaaagg	480
aagataaagg gagtctctgt atcaagaata aatataacaa ttataaatat tttatctaaa	540
gtgatagata gactgtaata caataatagg gtgggtgacat taacaccccc tctcacattg	600

gactgatcat ctagaagggg gaaaaagctt tatgattgga aaagccat 648

<210> 397
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (668)..(668)
 <223> n is a, c, g, or t

<400> 397
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 ctgcgaagg atctccttca tcctctcca gaagaggaga agaggaaaca caagaagaaa 120
 cgcttggtgc agagcccaa ttctacttc atggatgtga aatgccagg tgaggagacg 180
 gcttgcttga gtggggaaag cactggacct caacagttgg aaaatgttgt agtgttagct 240
 gtctgtatc cttgaagctg tgcagcagct tcagtttctt cgctgtgga aaatatcttc 300
 cctgatactc ttaaaatttg aatgtatgag actggcaaag tttgcatct taggaggagt 360
 gattcatctc accgtgatct ctcatcacat ttacataca accctacgt ttttttgtgt 420
 tgggaacaa tgtaatgat gatgagttgg gcataagtc aggaagacg ggtgtaatag 480
 aggaaaaaaa tgttatctgc ttttcttca ggatgctata aaatcaccac ggtctttagc 540
 catgcacaaa cggtagtttt gtgtgttggc tgcctccactg tcctctgccg gcctacagga 600
 ggaaaagcaa ggcttacaga aggatgttcc ttcaggagga agcagcacta aaagcactct 660
 gagtcaanat gagtgggaaa ccattctaat aaacacattt tggat 705

<210> 398
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (597)..(597)
 <223> n is a, c, g, or t

<400> 398
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 gaggtacctt acccacctca gcacctgaga gggtgaaata gaattctaac ctgcacattc 120
 gggaaagtgt tttgagaagt ctcggtcggt aagggaagtc ttccaagtcc gtgcagcact 180
 aacgtattgg cacctgcctc ctcttcggcc acccccaga tgaggcagct gtgactgtgt 240
 caagggaagc cagactctg accatagtct tctctcagct tccactgccg tctccacagg 300
 aaaccagaa gttctgtgaa caagtccatg ctgccatcaa ggcatttatt gcagtgtact 360

atttgcttcc aaaggatcag gccctgagaa caatgacctt atttctaca acagtgtctg	420
ggttgctgtc cagcagatgc ctcagatacc aagagataac aaagctgcag ctcttttgat	480
gctgaccaag aatgtggatt ttgtgaagga tgcacatgaa gaaatggagc aggctgtgga	540
agaatgtgac ccttactctg gcctcttgaa tgatactgag gagaacaact ctgacancca	600
caatcatgag gatgatgtgt tg	622

<210> 399
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 399	
cgccacttat ccagtgaaac actatcacga aaaaaactct acctctctat actaatctcc	60
ctacaaatct ccttaattat aacattcaca gccacagaac taatcatatt aaaaaaaaaa	120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa	155

<210> 400
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<400> 400	
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aatactaaag aagattccgg gccgagtatc cacagaagtg gacgcaaggc tctcctttga	120
taaagatgcg atgggtggcca gagccaggcg gctcatcgag ctctacaagg aagctgggat	180
cagcaaggac cgaattctta taaagctgtc atcaacctgg gaaggaattc aggctggaaa	240
ggagctcgag gacgagcagc gcatccactg caacatgacg ttactcttct ccttcgccca	300
ggctgtggcc tgtgccgagg cgggtgtgac cctcatctcc ccatttgttg ggcgcatcct	360
tgattggcat gtggcaacaa ccgacaagaa atcctatgag cccctggaag accctggggt	420
aaagagtgtc actaaaatct acaactacta caagaagttt agctacaaaa ccattgtcat	480
gggcgcctcc ttccgcaaca cgggcgagat caaagcactg gccggtgtg acttctctac	540
catctcacc aagctcctgg gagagctgct gcaggacaac gccaaagtgg tgctgtgtct	600
ctcagccaag gcggcccaag ccagtgcact ggaaaaaatc cacctggatg agaagtcttt	660
ccgtgtgttg cacaacgagg accagatggc tgtggagaag	700

<210> 401
 <211> 479

<212> DNA
 <213> Homo sapiens
 <400> 401
 cgtggcagcc atctccttct cggcacatcg gccgccctca gacccttctg gaagcccaag 60
 atcgtcaaaa agagaaccaa gaagttcatc cggcaccagt cagaccgata tgtcaaaatt 120
 aagcgtaaat ggcggaacc cagaggcatt gacaacaggg ttcgtagaag attcaagggc 180
 cagatcttga tgcccaacat tggttatgga agcaacaaaa aaacaagca catgctgccc 240
 agtggcttcc ggaagtctct ggtccacaac gtcaaggagc tggaagtgtc gctgatgtgc 300
 aacaaatctt actgtgccga gatcgctcac aatgtttcct ccaagaaccg caaagccatc 360
 gtggaagag ctgccaact ggccatcaga gtcaccaacc ccaatgccag gctgcgcagt 420
 gaagaaaatg agtaggcagc tcattgtcac gtttctgtt taaataaatg taaaaactg 479

<210> 402
 <211> 628
 <212> DNA
 <213> Homo sapiens
 <400> 402
 ctttgattac ctttgagtat taggttgaaa gcttctctgt gcttgattga acattgtgat 60
 gatgttgatt gggatcatgc agatttagac agtgttctgt ttaagataaa tgtttaatgg 120
 ctcttagcag tggatcatgc tcccccttcc cctgatact ttaaaaacag aatatacaga 180
 aaaggggagt tgggtgaaga atcaccatat tctcattacc agagttagtg ctaccagctg 240
 ttttcacatt tttctgttcc cttctgtcct tggaaatcct tttttagatc cttgtaatac 300
 tagtaagat attccactct gtgttgtaag catttttcca ttttgctcca tggctttcat 360
 aatgccctgt ggtcctttat taaggggatg caccatgtag aggtgaaagg ctttcttga 420
 cttggccacc atttctgtat tttccttaga ggaggagggt tccaacattt cttttttaga 480
 gacagagtct cgttctgaca cgcaggcagg agtgcagtgg catgataaca gctcactgca 540
 gcctcgaact cctgggctca agttatcctc ccacctcagc ttcctgagta gctaggactg 600
 caggtgcctg ccaccacacc cagctaat 628

<210> 403
 <211> 494
 <212> DNA
 <213> Homo sapiens
 <400> 403
 cagccctcgg tcacctcttc accgcaccct cggactgccc caaggccccc gccgccgcct 60
 ccagcgccgc gcagccaccg ccgcccgcgc cgctctcct tagtcgccgc catgacgacc 120
 gcgtccacct cgcaggtgcg ccagaactac caccaggact cagaggccgc catcaaccgc 180
 cagatcaacc tggagctcta cgctcctac gtttacctgt ccagtctta ctactttgac 240

cgcgatgatg tggctttgaa gaactttgcc aaatactttc ttcaccaatc tcatgaggag	300
aggggaacat gctgagaaac tgatgaagct gcagaaccaa cgagggtggc cgaatcttcc	360
ttcaggatat caagaaacca gactgtgatg actggggagag cgggctgaat gcaatggagt	420
gtgcattaca tttggaaaaa aatgtgaatc agtcactact ggaactgcac aaactggcca	480
ctgacaaaaa tgac	494

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<210> 404
<211> 599
<212> DNA
<213> Homo sapiens

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<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

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<400> 404	
gggagacaag cccagccttt cggcgagnat acgtctaacc ctgtgcaaca gccactacat	60
tacttcaaac tgagatcctt ccttttgagg gagcaagtcc ttccttttca ttttttccag	120
tcttctctcc tgtgtattca ttctcatgat tattatttta gtgggggagg ggtgggaaag	180
attacttttt ctttatgtgt ttgacgggaa acaaaactag gtaaaatcta cagtacacca	240
caagggtcac aatactgttg tgcgcacatc gcggtagggc gtggaagggt gcaggccana	300
gctaccgcga gaggttctcag aatcatgctg agagagctgg aggcacccat gccatctcaa	360
cctcttctcc gcccgtttta caaaggggga ggctaagacc cagagacagc ttgatcaaaag	420
gcacacagca agtcagggtt ggagcagtag ctggagggac cttgtctccc agctcagggc	480
tcttctctcc acaccattca ggtcttttct tccgaggccc ctgtctcagg gtgagggtgt	540
tgagtctcca acggcaagggt aacaagtact tcttgatacc tgggatactg tgcccagag	599

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<210> 405
<211> 610
<212> DNA
<213> Homo sapiens

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<400> 405	
gggagacaag cccagccttt cggcgagata cgtctaacc tgtgcaacag cactacatt	60
acttcaaaat gagatccttc cttttgaggg agcaagtcct tccctttcat tttttccagt	120
cttctctctc gtgtattcat ttctcatgatt attattttag tgggggagggt gtgggaaaga	180
ttactttttc tttatgtgtt tgacgggaaa caaaactagg taaaatctac agtacaccac	240
aagggtcaca atactgttgt gcgcacatcg cggtagggtg tggaaagggg caggccagag	300

ctacccgcag agttctcaga atcatgctga gagagctgga ggcacccatg ccattctaac	360
ctcttccccg cccgttttac aaagggggag gctaaagccc agagacagct tgatcaaagg	420
cacacagcaa gtcagggttg gagcagtagc tggaggggacc ttgtctccca gctcagggtc	480
ctttctcca caccattcag gtctttcttt ccgaggcccc tgtctcaggg tgagggtgctt	540
gagtctccaa cggaaggga acaagtactt cttgatactt gggatactgt gccagagacc	600
tcgaggaggt	610

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<210> 406
<211> 644
<212> DNA
<213> Homo sapiens

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<220>
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<222> (25)..(25)
<223> n is a, c, g, or t

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<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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<400> 406	
gtttaaatTT gacaaactaa agctnatnac tgctataaga gtaataactg ctcattttcc	60
ataactcatt cttaaagttt tagtaatgta aaagttattt ttttgcagta agttataatg	120
atagaagctt acatgttttt tcatgcctca tctgtttccc cttaaaacta taattatcag	180
taaagtcctg tgggtatttt caatttgtaa gaaactaggc tatatataca ttgggaaaaa	240
cagccttcac ttgtcaatgc actagtgttc caaagggttc tggtaatgt gtgctattgc	300
ttttgttgta ctgcaaaaa aaaaaaaaa aaaattacta tgacttgngg tagccctgca	360
accttcgaa gtgcttagcc cagtctgacc atacatttat atttanaatg cttaggtaaa	420
taataatat gcctaaaccc aatgctataa gatactatat aatatctcat aattttaaaa	480
atcactgttt tgtataataa taaaacaagg caggcaagct gttctacaat gactgttggt	540
aagggtgctg aggaagaaaa acaacaatc ttgattcagg gatagtgaat agacaaaaaa	600
tgctctaadc aatgaagctg tgtgatgatt ctgattgaca gaga	644

<210> 407
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (637)..(637)
 <223> n is a, c, g, or t

<400> 407
 gtgcaagtgt ttatatccac tttaacaaa gagagaagct gaaaagctaa cccaatgtta 60
 attttggatc acacacattc agtgtagact ttaagatttt acttctgttg gagtagctat 120
 attatttcta gttaaaaaac tctctatata catattttatt tgtttttcta ctgttttaat 180
 atttttctct tccaattagg aactcaatat ggaataaaaa atattttaat gtattttact 240
 caaacgtgtg tgtatatatg ttgtgtgca tgataaggag agtgagagca agagtaagag 300
 agagagagca cgcatagatg gaagcacaca tttaatgtct atgaaatgag aaaacattaa 360
 ggctaagata tttttccttc tgaactagca gattgtatca atggctggtc acttaaatta 420
 atcagtttgt aaagatattt aaaaggatg tctaccttct tgcaattaat ttgattatgt 480
 tctaattgga tggcaagaga aatgaaagaa gataactaaa agttaaaagt cgttgcattgt 540
 ttttgttgca gcataccctt ctttcaggct accgaataac cttgattgac attggattag 600
 tagtagaata cctcattggg agagcatatc gcagcancta cactagaaaa cat 653

<210> 408
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 408
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 cagctgtgaa gccaccgcgc ccggctgctg tgatagttga gatgtaaacc aaaaataaaa 120
 ttctaagcca cccaatccga ctgaatggac ctttctctgt gagcaaggac attccaagt 180
 aaactgaaaa gaccagctta ggccatgatg ggaaggggag gtgtcaacat gcctcattct 240
 accttctccc ctctggaatc gagacacaac tgaccagcat taacattaaa acagagatct 300
 taagctgggc acggtggctc atgcctgtaa tcccagcact ttgggaggcc aagggtggg 360
 cacctgaggt cggaagtcca agaccagcct ggccggatg gtgaagccat gtctctactg 420
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<210> 409
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 <212> DNA
 <213> Homo sapiens

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<223> n is a, c, g, or t

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<222> (250)..(252)
<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (264)..(266)

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 aaattttaan tnaaatnaaa aancctttnc nttntttttt aaannggggg gggnnttttt 240
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 tagtctagca agaggacata gcacctcat ctgggaatag ggaaggcacc ttgcagaaaa 180

tatgagcaat ttgatattaa ctaacatctt caatgtgcc	tagaccttcc cacaagact	240
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attggtcatt ctgcctaaca actgcccagc ttgaggaaa tctgaaatag agtactatgc	180	
tatgttggtc aaaactggtg tccatcacta cagtggcaat aatattgaac tgggcacagc	240	
atgcgaaaa tactacagag tgtgcacact ggctatcatt gatccaggtg actctgacat	300	
cattagaagc atgccagaac agactggtga aaagtaaacc ttttcaccta caaaatttca	360	
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gtactccggc agggagggtg acaagcacac cctgagcaag aaggagctga aggagctgat	180
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tgaactgaag caagaagtta tcagtaccag cagcaaggca gaaccacccc agtgcacctc 180
cctggcctgg tctgctgatg acacaggttg ggcnggnncn cnggggnggn nnnngnnnngc 240
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gctgaaactt gaaaaaacaa agcaaatcaa aaacaggaaa aaattgtacc tggctactttt 120
ttttagaaaa aaagattaaa aaagaaagaa taaattcttg ttggaaact tgaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaaaactc 240
tnnnntnnc nncnantaan ncanntcnan nnnannnaat tacttnnang tnnntcacn 299

<210> 421
<211> 642
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

<220>
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<400> 421
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agggtgaaaa gggtaacctc aaagctaaaa agcccaagaa ggggaagccc cattgcagcc 120
gcaacctctgt ccttgtcaga ggaattggca ggtattcccg atctgccatg tattccanaa 180
aggccatgta caagagggaag tactcagccg ctaaatccaa ggttgaaaag aaaaagaagg 240
agaaggttct cgcaactggt acaaaaccag ttggtggtga caagaacggc ggtaccgggg 300
tggttaaact tcgcaaaatg cctagatatt atcctactga agatgtgcct cgaaagctgt 360
tgagccacgg caaaaaaccc ttcagtcagc acgtgagaaa actgcgagcc agcattaccc 420
ccgggaccat tctgatcatc ctactggac gccacagggg caagaggggt gttttcctga 480
agcagctggc tagtggtcta ttacttgga ctggacctct ggtcctcaat cgagttcctc 540
tacgaagaac acaccagaaa ttgtcattg ccacttcaac caaatcgat atcagcaatg 600
taaaaatccc aaaacatctt actgatgctt acttcaaaa ga 642

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<210> 422
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<213> Homo sapiens

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aagacccccc aaaccagacg agctacctaa gaacagctaa aagagcacac ccgtctatgt 120
agcaaaatag tgggaagatt tataggtaga ggcgacaac ctaccgagcc tgggtgatagc 180
tggttggtcca agatagaatc ttagtccaac tttaaatttg cccacagAAC cctctaatac 240
cccttgtaaa tttactggt agtccaaaga ggaacagctc ttgggacact agggaaaaaac 300
cttgtagaga gagtaaaaaa tttaacaccc atagtaggcc taaaagcagc caccaattaa 360
gaaagcggtc aagctcaaca cccactacct aaaaaatccc aaacatataa ctgaactcct 420
cacaccaatc tggaccaatc tatcaccta tagaagaact aatgttagta taagtaacat 480
gaaaacattc tcctccgcat aag 503

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<210> 423
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<212> DNA
<213> Homo sapiens

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<400> 423

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gcagcgagac	ctccgtgccc	gaccatgtcg	tctggtccct	gttcaacacc	ctcttcatga	180
acacctgtcg	cctgggcttc	atagcattcg	cctactccgt	gaagtctagg	gacaggaaga	240
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gggccctgat	tttgggcac	ttcatgacca	ttctgctcgt	catcatccca	gtgttggtcg	360
tccaggccca	gcgatagatc	aggaggcatc	attgaggcca	ggagctctgc	ccgtgacctg	420
tatcccacgt	actctatctt	ccattcctcg	ccctgcccc	agaggccagg	agctctgccc	480
ttgacctgta	ttccacttac	tccaccttcc	attcctcgcc	ctgtccccac	agccgagtc	540
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ttctggtgct	gctgtgactt					620

<210> 424
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 424						
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cttgaatatag	tatttattga	gtcatagtgg	agtcattgga	ctttttaagg	gccggaagg	180
actattttaga	tcattccagtc	ccaccctgtc	attttatgga	ggaggaaact	gaggcctaga	240
taagataacc	agtttagtgg	tccactgacc	tttaggacag	tagtctatcc	gtaagagaca	300
acatggagaa	agaaatacaa	cgtttttata	gtgaattatc	atcttataaaa	gaatattctt	360
cccatatcgc	acttttaaaa	agtgggtacc	ttagtcaaat	aggagaaaaa	accacttgag	420
tagtttcatc	ctcaggtttt	aggtgaggaa	actgatactc	agattaaata	actttaagca	480
cacagagcct	gaatgatagt	cttatttgag	ctcatctgtg	cttttaatgt	gtactacggt	540
aggtgttttc	acttgcattt	ccttttagct	tatttgagct	catctgtgct	tttaatgtgt	600
actacgttag	gtgtttttac	ttgcatttcc	ttgtttgacg	ttgacaataa	atcgtgaagc	660
tgcttatctc	aaggaagtcc	taaagtaaat	cattggaaca	ca		702

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 <213> Homo sapiens

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ttaatctctg gatttaccac atctcatttc tcttttagga aaactgtttg tatgtggtgg 120
ctttgatggt tctcatgccca tcagtgtgtg ggaaatgtat gatccaacta gaaatgaatg 180
gaagatgatg ggaatatga cttcaccaag gagcaatgct gggattgcaa ctgtaggga 240
caccatttat gcagtgggag gattcgaatg caatgaattt ctgaatacgg tgggaagtcta 300
taaccttgag tcaaatgaat ggagccccta tacaagatt ttccagtttt acaaaattta 360
agaccctctc aaactaacag gcttagtgat gtaattatgg ttagcagagg tacacttggt 420
aataaagagg gtgggtgggt atagatgttg ctaacagcaa cacaagcctt ttgcatattg 480
catactatta aacatgctgt acatactttt tgggtttatt tggaaaggaa tgcaaatgat 540
aaggctgttt ttgtgtactt ttaagacttt ggttatttta ctttttgaa aagaataaac 600
caagaattga ttgggcacat catttcaaga ag 632

<210> 426
<211> 374
<212> DNA
<213> Homo sapiens

<400> 426
agagcagcag ccatggccct acgctaccct atggccgtgg gcctcaacaa gggccacaaa 60
gtgaccaaga acgtgagcaa gcccaggcac agccgacgcc gcgggcgtct gaccaaacac 120
accaagttcg tgcgggacat gattcgggag gtgtgtggct ttgcccgta cgagcggcgc 180
gccatggagt tactgaaggt ctccaaggac aaacggggcc tcaaatattat caagaaaagg 240
gtggggagcg acatccgcgc caagagggaag cgggaggagc tgagcaacgt actggccgcc 300
atgaggaaa cgtgctccaa gaaagactga gccctctccc tgccctctcc ctgaaataaa 360
gaacagcttg acag 374

<210> 427
<211> 567
<212> DNA
<213> Homo sapiens

<400> 427
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tcatttgttc attctttctt ttccaccaac attactgcct gcagagccag aggtgagtg 120
agaaatcctg tcaattcgtc acttgtggac aacctgcagc ttgccacagc ctacagttcc 180
accactgtga cctctgaaaa cctcctgaac aaaaggaagg agacttgga atcctgaatg 240
ggcttgga cattaaggga gaactgcctc cctggacca ggcagaattc aatagaacca 300
gcaagaaatt ttcttatgaa tgggaaagca ggtggcaggg ggcaggggtg gaaaagcttt 360

gtacaggaat tgtggaagaa	cttttgcatt atctctagtc	tgaaagtcac atttctcagt	420
tcctttccac tctcttctgt	caacttgcgt tgagtaaattg	acatctgtca cctgtgacac	480
gggccaggga ctatccacat	atggcccca cacattatct	agtaccagcc tgcctggggc	540
atgccttttc cagtcactgt	accagcc		567

<210> 428
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 <212> DNA
 <213> Homo sapiens

<400> 428	ctctcctgtc aacagcggcc	agcctcccaa ctacagagaat	gctcaaggag gagcaggaag	60
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	gcagcgagac ctccgtgccc	gaccatgtcg tctggtccct	gttcaacacc ctcttcatga	180
	acacctgctg cctgggcttc	atagcattcg cctactccgt	gaagtctagg gacaggaaga	240
	tggttggcga cgtgaccggg	gcccaggcct atgcctccac	cgccaagtgc ctgaacatct	300
	gggccctgat tttgggcac	ttcatgacca ttctgctcgt	catcatccca gtgttggtcg	360
	tccaggccca gcgatagatc	aggaggcatc attgaggcca	ggagctctgc ccgtgacctg	420
	tatccacagt actctatctt	ccattcctcg cctgcccc	agaggccagg agctctgccc	480
	ttgacctgta ttccacttac	tccaccttcc attcctcgcc	ctgtcccccac agccgagtc	540
	tgcatcagcc ctttaccctc	acacgccttt ctacaatggc	attcaataaa gtgtatatgt	600
	ttctggtgct gctgtgactt			620

<210> 429
 <211> 669
 <212> DNA
 <213> Homo sapiens

<400> 429	caCaagatag aatggtaaaa	aaaaaaaaa aaaaaaaaaa	aaaaaaaaa ttttaagtga	60
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	taaatgatca ctttatttgc	tagggaggga agtcctaggg	tggtttcagt ttctcccaga	180
	catacctaaa tttttacatc	aatcctttta aagaaaatct	gtatttcaaa gaatctttct	240
	ctgcagtaaa tctcgaggg	gaatttgac tattacactt	gaaagtgtgt attgttaacc	300
	ttttggcag cttttaatag	gaaagttaaa cgttttaaac	atggtagtac tggaaatttt	360
	acaagacttt tacctagcac	ttaaattatgt ataaatgtac	ataaagacaa actagtaagc	420
	atgacctggg gaaatggta	gaccttgat tgtgttttg	gccttgaaag tagcaagtga	480
	ccagaatctg ccatggcaac	aggctttaa aaagaccctt	aaaaagacac tgtctcaact	540
	gtggtgttag caccagccag	ctctctgtac atttgctagc	ttgtagtttt ctaagactga	600

gtaaacttct tatttttaga aagtggaggt ctggtttgta actttccttg tacttaattg 660
 ggtaaaagt 669

<210> 430
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 430
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 caatagatat agtaccgcaa gggaaagatg aaaaattata accaagcata atatagcaag 120
 gactaacccc tataccttct gcataatgaa ttaactagaa ataactttgc aaggagagcc 180
 aaagctaaga cccccgaac cagacgagct acctaagaac agctaaaaga gcacaccgt 240
 ctatgtagca aaatagtggg aagatttata ggtagaggcg acaaacctac cgagcctggt 300
 gatagctggt tgccaagat agaactttag ttcaacttta aatttgccca cagaaccctc 360
 taaatccctt tgtaaattta actgttagtc caaagaggaa cagctccttg gacactagga 420
 aaaaaccttg tagagagagt aaaaaattta acaccatag taggcctaaa agcagccacc 480
 aatt 484

<210> 431
 <211> 576
 <212> DNA
 <213> Homo sapiens

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 agtatttata ttcattcttt aaactgggaa gatttatatt ttactttaaa acttcttgat 180
 aataatttac aatgaatgga cacagtgatg aagaaagtgt tagaaacagt agtgaggaaat 240
 caaggttaagt aagcactttg ttatcaattg ttactatga agagagtga aaacttgact 300
 tttttcttta ttgttattgt tgttatttag ttttctcat aggtagcaga gttttcaggt 360
 tttcctctta gctatccaaa tactaaaaaa attctgatat acgaaccttt ttctcataata 420
 caggttttta ttatatTTTT cattcagata cacagtagat cttaaatata gaaagttttt 480
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 aatagattta aattgttttg actgttagtg aaattt 576

<210> 432
 <211> 669
 <212> DNA
 <213> Homo sapiens

<400> 432
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caaagggtgaa aattgggctt ttattgggct gatcaagggg gagtaaaaggc agccaggagc	180
agtcgcctgt catgcttcta cctatatattgc atgtatagaa aagggaataat aaactccttc	240
ctgggcaggg ttttagtatg ctaaggaggg gagttattca acttcaatcc aactcaagca	300
tcagcattgc tgcgtccatc ccagttttgt tttgctgggg ctgaacttct tcctataact	360
ttttgaaca acaagaactc aagggtgtgac agttacaagt gggccctttt tcacagtgtg	420
tacctaaca cgtgaggacc ctggattaca gaatgacaga ctggaagtga ctcaagttcc	480
ggttgttcat ctttagatgg taaagatggc tgtacgtact atccttgctt atttccaatc	540
tattgtttaa actcttgatg atgtaatacc gcagaggcta gagatacaac ctttgacca	600
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aggcacaatg caattttttt ttttttttaa ggagtttatt tgagcaaaaca gtgattcatg	180
aatcaggcag caccaaacca gaaggaggct ttgctgaana aggatgaggg acaagcattt	240
ataaagtga ttagatgta atacaaagaa aatatttgaa ccgggtgcgg tggcttacac	300
ttgtaatccc aacactttgg gaggccaagg cgggcagatc acaagatcaa gagatcgaga	360
ccatcctggt caacatggtg aaaccccatc tntactaaaa aatacaaaaa ttanctgggc	420

gtgggtgggtgc gtcctgtag tcccagctac ttgggcggct gaggcaggan aattgcttga	480
acccggggagg tggaggttgc agtaagccga gattgcacca ttgcactact ccagcctggt	540
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<210> 434
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 cnnanntnnc ataangagag atnactacng tacanatagn gncanacnga tagtagtanc 120
 aanattgtnt tagctanatn antcaataga tatcnagata naanaananc nnggatatac 180
 agcgatgtnt nannggnnnn nnnanggaac gaacatcnac nttaannata agctngngga 240
 gagagacang tangttatan annagaatng nagtaggngt gatcataata gnnnnnannt 300
 antatatang atnttatngn nctntntnn gtttatcnnn aatntctatn ctngagagna 360
 gcnnnatnnn naggcganga nattggggnn tntctntnat agananctgg tgcnnnanaa 420
 ntacntcatc tattnancct tcacnanatg gnannatana gnagngnntt nnanaggant 480
 angcatagng nntnctnaa acaaaannna taaganntct cgnaaanang ggcctntntt 540
 ntagcgaggn nttantttnt atantttntc nctcttnnaa tanntangat anatganctn 600
 gnggtgatan atannnnnta cngtnaannt ntantctnat aatagatana aatataggat 660
 nttntcttgg cnggtngaan antntntnct ntttnaataa tgntgttagn gacngngntn 720
 tnanannnnn ttgaaaggt actctatata ctnttatgnt ncggcnnta atanaacaga 780
 tgtttgtatn aatatnaaan aaggtcnntt tcgncagag aannntgntt ggtnatagaa 840
 ttagcataan ttanntanta tgatnnantn ntntctacnan tnttagcnnt tngcagnagt 900
 cattnngnat ntatnnggn tantagtnan ttgggncnnt tncagantat atntngngaa 960
 natgaannta cgnantcctn ngnantatna tnttgantan ganaancnan anntntnta 1020
 nnantgncta tanattgccn ngatanatn tnnnatgaa ncgatagccc gcncctaagga 1080
 nntnngtnan ntaaanntct cagataantt acntntntnt tattaancna nnatcacant 1140
 atancngga cannnccgan antatatgta tgnnantatn acngntccnn nccnggaann 1200
 tantctann aggcattcng nngagctntt ctnttagacn attntnantg aaannatgcn 1260
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1354

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tacaatacaa caaccaagat atataataac tgtacagtgc ctgacattc cagtaagaac 180
cattattttc tttaatgtag aatgattaat acatattcta caaggggcag taagggttagt 240
aattctatag ggtatgtccc gacataattt tcaaatgtga caataacaca aacaactttg 300
ttaaggccat gttttatttg ctgattaatg gacaaaaggc aatgtaattt attttcaagt 360
attttcttga aagtctgtgc tcataaaaaat catgaaaagt tggaaagact gttaaatcac 420
tgaaacttca aatatatctt acacaatctt gttgtgacaa aaatacaagt taaatataaaa 480
cataaagcaa tcattgtaat tttatgcaaa tctgttttat gtgatcatca gttatatata 540
aaagtttctc agttctgtta tttgtgaaaa gatcaatacc agattgaatg actacctatt 600
ggcaaagggc cctaaaaagc ttacttttagc actcatcttt tacatggtta aatgcatttc 660
ctaatttgag atcacctaaa cactggaaaa gaaaaaaaat gaaagggcag tatgtccata 720
aaccaacaaa taatttggtg g 741

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<212> DNA
<213> Homo sapiens

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gtatttcagg gttcacttca ggggctccca aagcgacaag atcgtaggg agagaggccc 120
aggggtggga ctgggaattt aaggagagct gggaacggat cccttaggtt caggaagctt 180

ctgtgcaagc tgcgaggatg gcttgggccg aagggttgct ctgccgccg cgctagctgt	240
gagctgagca aagccctggg ctcacagcac cccaaaagcc tgtggcttca gtcctgcgtc	300
tgcaccacac aatcaaaagg atcgttttgt tttgttttta aagaaagggt agattggctt	360
ggttcttcat gaggacattt gatatagctc ttttctgtt tttccttgct catttcgttt	420
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acaga	485

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tgctagcagt ctgcttctgt ctgaactcag ccagcagagg caaactcccg gttccccgag	180
aaacactctg aaggcagggt gggtgactcc acccaccacc gcctctccta gccatgcagg	240
ccatgtctgc tagagcttcc agcgcatggt tcctaattct gtctgaatcc ggctgagggg	300
tgacgcctcc tgttactgcc cagggaaca ccagatggc aggggtgggtg actccaacca	360
cctctgcctg tggtagccag atgggccaca cctgctagag cttccagccc agcagtcccc	420
ctactctgtg ggtgggtgct atcccctgtt cctctgggaa gcaccagac agctgattac	480
gtgacccac ccacttctgc agatcctagc tgagcaggac ttgctggttt ggacaatgcc	540
caagcagggg agagccctca ttctcttacc actgacagag gtgagatgtc cgantttgta	600
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<212> DNA
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atcccagcac tttgggaggc tgaggcaggt ggttcacttg aggtcaggag ttcgagacca	120

gcctggccaa catggcaaaa ccccgctact attaaaaata caaacatta gctgggtgta	180
gtggcagggt cctgtaatcc cagctattcg ggaggcctag gaaggaaat ggcttgaacc	240
tgggggtgga ggttggagtg aggcaagatc acaccactgc actccagcct gggcgacaga	300
gcgagactcc atctcaaaa aagaaaaaaa aaacaacaaa aaaccttta tcagattatc	360
agaggttatc actacagagg gaggtaaaat tggagggaaa aggttacaaa tttatttcac	420

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tacaatacaa caaccaagat atataataac tgtacagtgc ctgacattc cagtaagaac	180
cattattttc tttaatgtag aatgattaat acatattcta caaggggcag taagggttagt	240
aattctatag ggtatgtccc gacataattt tcaaatgtga caataacaca aacaactttg	300
ttaaggccat gttttatttg ctgattaatg gacaaaaggc aatgtaattt attttcaagt	360
attttcttga aagtctgtgc tcataaaaat catgaaaagt tggaagact gttaaatcac	420
tgaaacttca aatataatct acacaatctt gtttgtacaa aaatacaagt taatatataa	480
cataaagcaa tcatggtaat tttatgcaaa tctgttttat gtgatcatca gttatatata	540
aaagtttctc agttctgtta ttgtgaaaa gatcaatacc agattgaatg actacctatt	600
ggcaaagggc cctaaaaagc ttacttttagc actcatcttt tacatggtta aatgcatttc	660
ctaatttgag atcacctaaa cactggaaaa gaaaaaaaat gaaagggcag tatgtccata	720
aaccaacaaa taatttggct g	741

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tctgtgtgga gggggagcag ggatatctaa gctgtggtgt gaaagggtag gagagatgct      180
ggaggtgggg gtgctgtggt cta                                              203

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 tatagcaata cagngaactt caccaaatcc taaatattca gtacctgaac tggctacaac 180
 accngtgcac caccaggttc ctgcagaatc tcttgcagat atgggagagt cagccagtga 240
 aaagatccat ttcttgggaa tccttgtcaa caagaccagt tcagaaatcc aggatatata 300

gaagcctact gtaatttaaa aacagtaaca aaaaccccaa caaaacccaa atcaacaaag	360
accaagataa agngtgata aacattaatt gtaatggtt tcctttacat gcaatacatg	420
cattttaaaa tcaactaaga acacgaaatt ttgtagagca aagtttgngt ttcacgtaag	480
tgcaaatgaa tatatatattt attttttata ctattaaatt atatatattt tttccataca	540
aaagcacaca gtgttaatct ataaaatgac atccaagtgg atgatgattg tttttgcatg	600
tccccctgct tagatttttt taaaatatat agtcaaaaat taacatcctt ctttaaaaat	660
acagaagggg aaaangggca aaaaaaaaaa tctagactcg agcaagctta tgcatgcatg	720
cggccgaat tcganctcgg ncgacttggc caattcgccc tatagnagat cgnattacaa	780
ttcactgggc cngcngttta caacgtcng actgggaaaa ccctggcggtt acccnnctna	840
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 cttgaaatag tattttatga gtcatagtgg agtcatggga ctttttaagg gccggaaggg 180
 actatttaga tcattccagtc ccaccctgtc attttatgga ggaggaaact gaggcctaga 240
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 acatggagaa agaaatacaa cgtttttata gtgaattatc atcttacaaa gaattattctt 360
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 cacagagcct gaatgatagt cttatttgag ctcactgtgt cttttaatgt gtactacgtt 540
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actacgttag gtgttttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc	660
tcgcttatct aagnagtctt aaagtaaadc attggaacac atgtanccag tttgttgttt	720
ttatttgcca ggtntcaaat ataactgaaa acccatgcta actgactnat tttaaaagnt	780
gtntggggca tgaangattt gctctgcctg ggcgggnggt tnancctgng tccccnttt	840
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<222> (926)..(928)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (934)..(935)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (939)..(939)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (941)..(941)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (945)..(949)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (953)..(953)

<223> n is a, c, g, or t

<400> 443

ttgtgttggt acccggaat tcgcggccgc gtcgacggag ttttacctta ttacacttta 60

atctctggat ttaccctatc tcatttctct tttaggaaaa ctgtttgat gtggtggcct 120

tgatgttct catgccatca gttgtgtgga aatgtatgat ccaactagaa atgaatggaa 180

gatgatggga aatatgactt caccaaggag caatgctggg attgcaactg tagggaacac	240
catttatgca gtgggaggat tcgatggcaa tgaatttctg aatacggtgg aagtctataa	300
ccttgagtca aatgaatgga gcccctatac aaagattttc cagttttaac aaatttaaga	360
ccctctcaaa ctaacaggct tagtgatgta attatggtta gcagaggtag acctgtgaat	420
aaagagggtg ggtgggtata gatgttgcta acagcaacac aaagcttttg catattgcat	480
actattaac atgctgtaca tacttttttg gtttatttgg aaaggaatgc aaagatgaag	540
gtctgttttg tgtactttta agacttttgg tattttactt tttggaaaag aataaaccaa	600
gaattgattg ggcacatcat ttcaagaagt cccctctcct ccacatttgt tttgccaaat	660
tgcacattaa atgactcttc cctcaaatgt gtactatggg gtaaaagggg tagggnttaa	720
anatgtaac agttggggtt ttaagggncc ctttttcata actggaacac tctntacaag	780
gntnctnttt aaataataaa cttgactttt ttgtttntta aangnancct cntgtctcca	840
taaaaaaaa aatttaantn gncancntng ctgctgcgnc canttngctn gncnttgga	900
ttccctaggg angntnaata ntggcnntt aacnngcng naacnnnnnc cant	954

<210> 444
 <211> 787
 <212> DNA
 <213> Homo sapiens

<400> 444	
gggcatgca tgctttatta aggcctctgt ttcacctggc agtgactgt atcaacgtat	60
aatacagaaa aaaaatctct ttaaggctct ccttcacaaa gacatagagt gaaactccct	120
ttacatgta gtatttgttc aacacttttag gcaacttgac tgtcagtggt aaaaaggaaa	180
acaggaaaat ggaataatct gaccaattct gccacctga gactttcata tagaccttgc	240
acaacaattg tatagatcac acaccggctg tatttaatat gtaacatttt cacacatatt	300
aaagatacag aagtattaaa aaaccccaa tgtaaatgta ttgtcttaaa aggcacaagt	360
ttcacatatc tgtctagcta tctgttggtg atacagaaag tatactactt ttttaaaaaa	420
gtgggcagaa ttcttgtgta tgtatatttg tgtgtacagt atgtgtatgt gtgtatatat	480
atatattata tatatagata atataataat atttttttta aggagaaact agaattgtta	540
gctagaaaat tccacagcct gtgaagaaat atttcaaaat ggccataaag gaggtaaaaa	600
tgaaaacat aacctaaact ttatagaggc tttatcttta atttaacgat gtgcggagga	660
ctttcttgct tgaatctgtt ccgggctgtc tgctctgtcc atcaaatggg caggcttggg	720
aatgaggcac cttcgccgt tcagaagtgg cctgaacaga atgctggaac ccaggctgga	780
ctcggac	787

<210> 445
 <211> 689

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (673)..(673)
<223> n is a, c, g, or t

<400> 445
caaacctgca tgttctgcac atgtatccag gaacttaaaa aaaaaaaag atagtttgtg 60
tgtcttaatt gaataatagt agatttatag attaaagatc tatgggtttt taatatggat 120
tagaaatctg tgggtttttg atatggatta gaaatctgtg ggtttttaaat atggattgga 180
aatctgtggg tttttaatat ggattaaaaa acatctgtgg gtttttaata tggattaaac 240
atctgtgggt ttttaatatg gattaacat ctgggttttt aatatggatt aaacatctgt 300
gggtttttta tatgggttaa aaatcaaaag aaaatgaact atttgctcca gtgcaggaaa 360
atacaggcaa tactggatac aattagatgg tcaggagcga taaccgggtt gccattgttt 420
gaagaagaga ataaggtgct agcattccta tccgtagata atttgacagc taggaaatag 480
ggggagtctt ctatgtagtt agtgaaggct aaatgaacta ttatgtcagc ttatcgtaga 540
agagtactca aaaaaatctg taataaataa agaaaggcgc ggcgcggttg ctcacgcctg 600
taatcccagc actttgggag gccgaggcgg gtggatcatg aggtcaggag atcgagacca 660
tcctggctac canggtgaaa cccccgtct 689

<210> 446
<211> 688
<212> DNA
<213> Homo sapiens

<400> 446
caagactcca tctcaaaaaa aaaaaaaat ctacagtgtc gagtatataa aattattaac 60
acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttta aacaggtaat 120
tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
gtttgttaca ttgttcaaga aataagtaga aatatattcc tttgtttttt atttaaaatt 240
ttgttctctt gtaactaaag aagaacacgaa gtaattggtc acaattactg gtgtttaaact 300
gccaaatatg ggtaaaataa ggaataattt gtttaatat tagtccttct gagatggctt 360
gaatatttga attttgtgtg acgtctatag tgggtagtca caagtcttat aaacacttta 420
gaggaagatg ggatttcagt ctgtattttt aaacatcatt ttttttaaat ctgggtgctga 480
aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttagaagcat tcctgcgtaa 540
atactgctgt aatactgtca tgcaaatgtg atccttctct gtcgtatcct ttttggggca 600
gtgttttttt gtttttttcc tagaaatgtt tgtccttccc ccacctgttg atccaggtta 660
aggaataactt ttttactatt tattcaaa 688

<210> 447
 <211> 724
 <212> DNA
 <213> Homo sapiens

<400> 447
 cttttctctc cgctgtcccc cacggagggg actgctctcc cccgctgcat cttttctgtg 60
 aggtacctta cccacctcag cacctgagag ggtgaaatag aattctaacc tcgacattcg 120
 ggaagtgttt ttgagaagtc tcggtcggtta agggaagtct tccaagtcg tgacagacta 180
 acgtattggc acctgcctcc tcttcggcca cccccagat gaggcagctg tgactgtgtc 240
 aagggaagcc acgactctga ccatagtctt ctctcagctt ccactgccgt ctccacagga 300
 aaccagaag ttctgtgaac aagtccatgc tgccatcaag gcatttattg cagtgtacta 360
 ttgtcttcca aaggatcagg ccctgagaac aatgacctta ttctctaca cagtgtctgg 420
 gtgctgtgac agcagatgac tcagatacca agagataaca aagctgcagc tcttttgatg 480
 ctgaccaaga atgtggattt tgtgaaggat gcacatgaag aaatggagca ggctgtggaa 540
 gaatgtgacc cttactctgg cctcttgaat gatactgagg agaacaactc tgacaaccac 600
 aatcatgagg atgatgtgtt ggggtttccc agcaatcagg acttgtattg gtcagaggac 660
 gatcaagagc tcataatccc atgaccttgcg ctggtgagag catccaaagc ctgcctgaag 720
 aaaa 724

<210> 448
 <211> 622
 <212> DNA
 <213> Homo sapiens

<400> 448
 caagaactct gggacatttg caaagggtat ggcataatgtg taatgggaat accagaggag 60
 aggaaagaca ggaagtcaaa aaaagaattt ttccaaatta atgataggtt ccaaaccaca 120
 gatgcaggaa gcttaaacac caacaggata aataaaacaa aatctacgct taagcatatc 180
 atacttaacc tgcagaaaaa tacagacaaa gaaaaaacac cagaggggaa gctggcagaa 240
 acataccacc tatagcggaa gaagaataag aattacatca gacttccctt cagaaatctt 300
 gcaaacaaaa agatgtagca caatatttaa agtattaaag gaggcggggc ccgggtgctc 360
 gggcctgtaa tcctaactt ttgggaggct gaggcaggag gacctgagg tcaggagatc 420
 gagaccatcc tggtgatggt gatcccat ctctactaaa aatacaaaaa attaacggg 480
 catggtgaca cgcacctgta atcccagcta cttggggagg tgaagcagga gaatcgttg 540
 agcccaggag gtggaggttg cagtgagccg agatcacatc actgcacgcc tgggcaacag 600
 agcgagactc catctcaaaa aa 622

<210> 449
 <211> 834
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (716)..(716)
 <223> n is a, c, g, or t

<400> 449
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 tcccaaagtg ctgggattac aggcgtgagc caccgcgcc gccgtaaatc aggtttttta 120
 aatgtttgcc aaaccttatc actgactttt ataacaaatc tatttactat aatcattagg 180
 gaatatattaa gttctgctaa tacttaaaat tgcagagtcg taaaaccagc agtgagttaa 240
 gaatcaagct aagctttatt gttgctacta tttagggcat attagtgtgac tgggtgttcat 300
 atgcaaggca gtcctactgg tgcaacaagg gttagaagga tattttttaa aaactgacct 360
 tattctcagg atgaaaataa tacactagta atagtctgct ctgttggtta actcctcgta 420
 aggaggtaca attaaaatgc tgtagtggtt caaggggaagg agaggaagaa tcattatcct 480
 tcactagcag gatcaagaaa gcttttatag aaatatacaa aatcttcact tcttgaagga 540
 ttggtaaaaa ttaatatgca acattgggca ctatttcatt ctctgagtaa atatttattg 600
 catgcttacc ttgtatcaag cattgtgatg aaagcacaa aatgaaagag gagggagaat 660
 gtttagagaa taagggctga aacacagatt tttaggggag cgtaggggag actganaaga 720
 cagggtcagg tttagtaagg cgctcatatt ttgaccctga atgttaacta tgtgcacatc 780
 atgctagcta ttctaataca ggcattttca aatggaagca ggcactgaca tttt 834

<210> 450
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 450
 cgtgaagggc ctttatgtat tagtattaga gtgatctttt gattattttc ctcactataa 60
 ggaaattatt tcctcaggat gagctgcat aacattccac tgtctgatgg caatttttaa 120
 gcctgaattt gaagcccatg gctaggctat gagaacccta gttcgtatag taaagttgat 180
 atcttctgga tgtatactaa ttttaggctt tattttttaa ctgctggaaa ctgaaactta 240
 gacaaaagta ttttcaggac atcatttaca atgtttagcc ctaaagagtc aagctgtggg 300
 attctgagtc tttcatatgt tacagcagaa acttaaaagc aagaggaatc tggctgggca 360
 cagtggctct gtaatcccag cactttggga ggctgaggtg ggtggatcat gaggtcaaga 420
 gattgagacc atcctagcca acatggtgaa accccatctc tactaaaaat acaaaaatta 480
 gctgggcgtg gtggcacacg cctgtaatcc cagctagtca ggaggctgag gcaggagaat 540

atcttgaact tgggaggcag aggttgacgt gagccaagat tacatcactg cactccagcc 600
 tgggtgacaga gcgagactcc gact 624

<210> 451
 <211> 966
 <212> DNA
 <213> Homo sapiens

<400> 451
 ctgaaactgc actgaaccca caggtaggtt acatcacagg acagaaatct gaggagctgg 60
 agaaagcaaa agaataaaag atgggctgac accagaagga attaaaggaa tttttatact 120
 gaacttcaat tacttggtca tttgaagttt gtttttttaa tgaacgtttt tgctgttact 180
 taaatatagt gttttgaaag tgtttcaaat gtattcaagt tgggattttc catattttac 240
 tacagttctg tcttagtatg ttcaccataa aacactttac attaaagctc acaaagtgtc 300
 tttttgtaat atgaggataa aatgaagcca tataagaatt tttttatattc tgtacattta 360
 acccacattt gagcttttag caaaatataat agcttttttt tttctgacct ggccaacgta 420
 ttatccagca aacatcaact gaagcaatat ggaaacactt ccaaatgttt gccaaataatg 480
 ctattaagtg actgatgtca acattagtta catggcaaac taaaggagga ttatacattt 540
 ttaaacaca ctaacatata actgtagata atgtaaggtt tattttatatg catattttcat 600
 agtatattta aatgttttaa tataaaaaag ggttttttaa cacttttaatt ttttatcttt 660
 gatttttttt attgatatct ctttccaggc tactaataaa attgccagaa ctaaacatc 720
 aggtaaggtt taaggcatca attgacaagt aagttttcta atttcgtttt gaattacaat 780
 tccaaatgta agacttttaa aaatgaatgg cctttatttt atagaataat tttgaccttt 840
 taaatttact tatctaact tatataatga atgtacttca aatatttgac tttgaagtca 900
 acattaacaa attcatggat cctaattaaa atttactata aaactggaat cattttattac 960
 ttcctt 966

<210> 452
 <211> 725
 <212> DNA
 <213> Homo sapiens

<400> 452
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 agttcatctt ttttatctga gtagtatttt attgtatgaa tataccacca tttattttac 120
 tgttggttat ttccagtttt gggtcataat ccaaaatgct tttttcaaac aataggctat 180
 atatcattaa tgtccgttta tcagcagtat aaaatatctt accataaata ttaataaaaag 240
 aagcattcat atataaata tagatatttc aaaccctaca gagggccttt taatgattaa 300
 atattttgtc cttacaaaaa ggtccaggta attacacca tgaggttaac ctgccttagt 360

gcaggactta	aaataaggct	tctcctgcc	tctctctcca	ttgtagaat	gtgaaattct	420
ttaaaatgca	tcctatat	ggaatactat	agctgtgcac	tgggtgttgt	tctctcttt	480
aaactcggga	ccgtatat	ctgctcaaat	tgcccaagta	tacatatgct	gcactccatc	540
aagtgtcagg	ccacattcta	tcagcacagc	gtgactgcct	atcagtgaca	atataagtg	600
gctctatttg	gatccctctt	accctacctt	ttatatatt	gacagcatta	tcataaaact	660
ccaatattct	tcaataactt	acatgtttgt	tgtaggataa	aattattacc	ctcaatgaac	720
tacat						725

<210> 453
 <211> 715
 <212> DNA
 <213> Homo sapiens

<400> 453	
accagcttct	tcacagggtc
cacgagtc	gtcaacacag
cgtgttgcta	acacatcaac
	60
acagacaagt	gggccacgtc
ctgcagctgc	agccgctgca
gctactcctg	ctgtccgcac
	120
cgttccacag	tataaatatg
ctgcaggagt	tcgcaatcct
cagcaacatc	ttaatgcaca
	180
gccacaagt	acaatgcaac
agcctgctgt	tcatgtacaa
ggtcaggaac	ctttgactgc
	240
ttccatgttg	gcattctgcc
ctcctcaaga	gcaaaagcaa
atgttgggtg	aacggctgtt
	300
tcctcttatt	caagccatgc
accctactct	tgctggtaaa
atcactggca	tgttgttgga
	360
gattgataat	tcagaacttc
ttcatatgct	cgagtctcca
gagtcactcc	gttctaaggt
	420
tgatgaagct	gtagctgtac
tacaagccca	ccaagctaaa
gaggctgccc	agaaagcagt
	480
taacagtgcc	accggtgttc
caactgttta	aaattgatca
gggaccatga	aaagaaaactt
	540
gtgcttcacc	gaagaaaaat
atctaaacat	cgaaaaaactt
aatattatg	gaaaaaaaac
	600
attgcaaaat	ataaaaataa
taaaaaaagg	aaaggaaact
ttgaacctta	tgtaccgagc
	660
aaatgccagg	tctagcaaac
ataatgctag	tcctagatta
cttattgatt	taaaa
	715

<210> 454
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 454	
acattctgga	aaaggcaaaa
gggagggaaga	actgattagt
gggttagcca	gggttagagt
	60
tggggagagg	atataatgag
ggaacttttg	tggattctgt
accatgatta	tgattacaca
	120
aacctatgca	tacattgaaa
catatagaac	tatacgttga
aaaaagtgaa	tctgcctgta
	180
tgtaaattta	aaagaaaaat
atttttttta	aaaaacagat
gcttcttaac	acattatcat
	240
ctatgtcagt	ttaacagtta
gtagacttag	gccagggtgc
atggctcact	cctgtaatcc
	300
cagtgtcttg	ggagtctgag
gtgggacgat	ctcttgagac
taggagggag	tttgagacaa
	360

acctaggcaa	tgtaatgaga	ctctttctct	acaaaaaatt	ttaaagttat	ctggacatgg	420
tggtgcctgc	ctgtagtccc	agctacttgg	gaggctgagg	tgaggaggatt	ccttgagccc	480
agaagttcaa	ggctacagtg	tgctatgata	gagccactgc	actccagcct	gggcaaccag	540
gtgagacctt	gtctctaaaa	tgaataaata	aat			573

<210> 455
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400>	455					
tggtctttca	cccagccagg	gagaagggtc	ttcgctcagt	atgaagaaaa	gcaacccaaa	60
actctcaatc	tgatttggtt	ttgtttatgt	cgatgccctg	tagtttgaaa	gtgaagtaaa	120
gattttagaat	tcacctaaagt	ccaaaggaaa	acacgtggtt	tttaaagcca	ttaggtaaaa	180
aaagtctcta	ataaaggcat	tacaattttt	taggtttaga	aagatggact	tttctgataa	240
atcttggcag	acatctaaaa	aaaaaaccat	atttttcaca	agaaaatgca	agttactttt	300
tttgaaata	atactcactg	attatggata	aaatggaata	tttccagata	ctatatgggc	360
tgtttcaaaa	tagtactatt	ctttaaactt	gtaatttttg	ctaagttatt	tgtctttggt	420
gtatctataa	atatgtaaaa	aatattttaa	tagatgtacc	tgttttgctt	tcacacttaa	480
taaaaaattt	ttttttgt					498

<210> 456
 <211> 732
 <212> DNA
 <213> Homo sapiens

<400>	456					
cgggatccct	agtataacac	attcagtggt	cccccttcag	tcttactact	ttgaccgcga	60
tgatgtggct	ttgaagaact	ttgccaaata	ctttcttcac	caatctcatg	aggagagggga	120
acatgctgag	aaactgatga	agctgcagaa	ccaacgaggt	ggccgaatct	tccttcagga	180
tatcaagaaa	ccagactgtg	atgactggga	gagcgggctg	aatgcaatgg	agtggtgcatt	240
acatttggaa	aaaatgtgaa	tcagtcacta	ctggaactgc	acaaactggc	cactgacaaa	300
aatgaccccc	atgtgagtat	tggaacccca	ggaataaat	ggaggaaatc	atttgcctta	360
gggattggga	aagctgcccc	ctaactgtct	tccccattgt	tttgagttg	tgtgacttca	420
ttgagacaca	ttacctgaat	gagcaggtga	aagccatcaa	agaattgggt	gaccacgtga	480
ccaacttgcg	caagatggga	gcgccgaat	ctggcttggc	ggaatatctc	tttgacaagc	540
acaccttggg	agacagtgat	aatgaaagct	aagcctcggg	ctaatttccc	catagccgtg	600
gggtgacttc	cctggtcacc	aaggcagtcg	atgcatgttg	gggttttcctt	taccttttct	660
ataagttgta	ccaaaacatc	cacttaagtt	ctttgatttg	taccattcct	tcaataaag	720

aaatttggtgta cc

732

<210> 457
<211> 465
<212> DNA
<213> Homo sapiens

<400> 457
tgcgagacc agacttcgct cgtactcgtg cgcctcgctt cgcttttctt ccgcaaccat 60
gtctgacaaa ccgatattg ctgagatcga gaaattcgat aagtcgaac tgaagaagac 120
agagacgcaa gagaaaaatc cactgccttc caaagaaacg attgaacagg agaagcaagc 180
aggcgaatcg taatgaggcg tgcgccgccca atatgcactg tacattccac aagcattgccc 240
ttcttatttt acttctttta gctgtttaac tttgtaagat gcaaagaggt tggatcaagt 300
ttaaatgact gtgctgcccc ttccacatca aagaactact gacaacgaag gccgcgcctg 360
cctttcccat ctgtctatct atctggctgg caggggaagga aagaacttgc atgttggtga 420
aggagaagt ggggtggaag aagtggggtg ggacgacagt gaaat 465

<210> 458
<211> 788
<212> DNA
<213> Homo sapiens

<400> 458
tataaataca ctccgggatg atttaccctt ggaggtcagc tagtaaaata catgagtaga 60
attccttaaa gatatgtata attgctcatc actatccaag tgtgacataa atcataaaaa 120
gaattgacaa aatcagggtc gcaaagagaa ttgaaaaaaa tctgtcacia ccaaaattta 180
aattgacctc tgtcctagag tatgagagcc aactgaaca gaaaaccag ataaatcttt 240
tataaaatat tcatttgcag ccccatatac gttgcttctc accccacctc cccatgtcct 300
tggacaaact gaattgtatg taacatcatc ccaggccagg cgcggtggct catgcctgta 360
atcccagcac tttgtgaggc taaggcaggc agatcaggag gtcaggagtt caggaccagc 420
ctggccaaaa aggtgaaact ccgtctctac taacaataca aaaattagct ggggtcggga 480
gtaggcgcct gtaatcccg ctactcggga ggctgaggca ggagaattgc tcaaacccgg 540
aagggtggagg ttgcagttag ctgagatcgt gccactgcac tcagccctgg gtgacagagc 600
aagactctgt ctcggggagg ggggtggcgg agataaagaa ataacatcat cttatactgt 660
caagctcaag gtgtctgcag ccttatcttc aggggaagtt gtgtctttct caggggaagat 720
acagatttca atttagagca agacagagag aagttacatt cagagaggaa aatgcagtag 780
tctaactg 788

<210> 459
<211> 423

<212> DNA
 <213> Homo sapiens
 <400> 459
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 ttgatcttc cttatgtcct cctattgagt tgatcagctt tctttattct tgccttttct 120
 cctctgtgtg ccctttctat taacgtattt acccttaggc tgggcacaat ggctgatgcc 180
 tgtaatccct gcactttggg aggccgaggc aggtggatca cctaaggcca ggagttcaag 240
 accagcctgg ccaacatggt gaaacctggt ctctactaaa aacacaaaaa tttagccaggc 300
 atggtgggtg gcacctgtaa tcccagctac tcaggaggct gaggcaggag aattgcttga 360
 acctgggagg cggagattgt gccaaagcac tccagcctgg gcaacaaaat gagactttgt 420
 gtc 423

<210> 460
 <211> 231
 <212> DNA
 <213> Homo sapiens
 <400> 460
 caccaggctg tcttcagata cttcatcacg aaatgagcct ccctgtgggg tcctcttccc 60
 tccttcagcc tgtccatcaa cacagcattg cgggatcctt accatggcat ccagccctgg 120
 agatgcttca ggaagtgtgc aggtccatgc tgcaggacag gctcagatca gcagagacgc 180
 atctcacatc gggctgtgaa attcaagttg agctgcaatt ggcaatgaga a 231

<210> 461
 <211> 687
 <212> DNA
 <213> Homo sapiens
 <400> 461
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 gcacactatt caccgctcac cctagcattg aagccagcct gtagcctgaa agcctttgct 120
 ttgagggcag gtcttttccc aaaatgcaga cacgaagggt caaagtgaag ctgccactct 180
 tgcaaaagat gtaactttgc acgaaggcca cgagtgagcag ggagagctgt cccacatttg 240
 cggaagtggc tatgtgagga cgggggaggc gggtcctta gagatgagac aatcataagg 300
 ggagatatca gagaaaatcg taaggggagc agatggttgt caagagaata ggctgaccat 360
 cgaaggactg gcagaagctt tcagaaaacc actggacggc tgggcacagt ggcttaggcc 420
 tgtaatccca gcactttggg aggttgacgc aggtgaatca cttgaggtca ggagttccag 480
 accagcctgg ccaacatggt gaaaccccat ctctacagaa aatataaaaa tttagccaggc 540
 gtggtggcac aagcctagaa tcccagctac ttgggaggct gaggcaggcg aatggcttga 600
 acccaggagt cagaggctgc agtgagtcga gattgttcca ctgactcca gcctgggtga 660

cagtgaaga ctccttccaa aaaaaaa

687

<210> 462
<211> 874
<212> DNA
<213> Homo sapiens

<220>
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<222> (717)..(717)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (754)..(754)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (810)..(810)
<223> n is a, c, g, or t

<400> 462
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ggcagagcag aggtgctcat cagcactgta ggcccggag attgtgtggt cccgttcctg 120
acccggccta aggtccctgt cttgcagctg gatagcggca actacctctt ctccactagt 180
gcaatctgcc gatatttttt ttgttatct ggctgggagc aagatgacct cactaaccag 240
tggctggaat ggaagcgac agagctgcag ccagctttgt ctgctgcctt gtactattta 300
gtggtccaag gcaagaaggg ggaagatgtt cttggttcag tgcggagagc cctgactcac 360
attgaccaca gcttgagtcg tcagaactgt ctttcctcg ctggggagac agaattctcta 420
gccgacattg ttttgtgggg agccctatac ccattactgc aagatcccg ctaacctcct 480
gaggagctga gtgccctgca cagctgggtc cagacactga gtaccaggga accatgtcag 540
cgagctgcag agactgtact gaaacagcaa ggtgtcctgg ctctccggcc ttacctccaa 600
aagcagcccc agcccagccc cgctgaggga agggctgtca ccaatgagcc tgaggaggag 660
gagctggcta ccttatctga ggaggagatt gctatggctg ttactgcttg ggagaanggc 720
ctagaagtgt ttgccccgcg tcgggcccc gcanaatcca gtgttgccctg tggctggaga 780
aaggaatgtg ctcatcacca gtgccctccn ttacgtcaac aatgtccccc accttgggaa 840
catcattggt tgtgtgctca gtgccgatg tctt 874

<210> 463
<211> 585
<212> DNA
<213> Homo sapiens

<400> 463
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aaaaaaatta aattaaata taataaat	cttgccgggc gcagtggctc acacctgtaa	120
tcccagcact ttgggaggcc gaggtggcgc	gatcacgaag tcaggagatt gagaccatcc	180
tggtataatc agtgaacccc cgtctctact	ataatacaaa aaaattagct gggcatggtg	240
gcgggcgtct gtagtcccag ctactcagga	gtctgaggca ggagaatggt gtgaacccgg	300
gaggcggagc ttgcagttag ccgagatcgt	gccactgcaa tccagcctgg gcagcagaac	360
gagactccat ctcaataaaa taataaaata	aaatgaattt cagctagaag agccttattc	420
cattttcctt ttattataac atctggcata	agttggtaag tatgtgaagt ttatcatata	480
ttcttatgcg aattattatt ttgcctttt	ttttataat tctgtctggg atttgaaatg	540
tagagtttga attcaggaag gacacctgtg	ataggacaat aaaat	585

<210> 464
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 464		
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aaactgaggt tcaacaatat tgattttgag	atgggaaagt taaagaaatg caataatgta	120
aataatactt aagaaaataa gatctcagga	aactgtgtat actctgtact ttatgcaac	180
tttatcagat catttcagta tatgcatcaa	ggatatagtg tatatgacat gaactttgag	240
tgcaaaaact gtactatgta ccttttgttt	attttgctgt caacatctaa ataaaggttt	300
ttttg		305

<210> 465
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 465		
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tgaagggtgac ttaaacagct taaagtttag	tttaaaagtt gtaggtgatt aaaataattt	120
gaaggcgtac ttttaaaaag agattaaacc	gaagggtgatt aaaagacctt gaaatccatg	180
acgcagggag aattgcgtca ttttaaagcct	agttaacgca ttactaaac gcagacgaaa	240
atggaaagat taattggggg tggtaggatg	aaacaatttg gagaagatag aagtttgaag	300
tggaaaactg gaagacagaa gtacgggaag	gcgaagaaaa gaatagataa gatagggaaa	360
ttagaagata aaaacatact tttagaagaa	aaaagataaa tttaaacctg aaaagtagga	420
ag		422

<210> 466
 <211> 833
 <212> DNA

<213> Homo sapiens

<220>

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<222> (7)..(7)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (830)..(830)

<223> n is a, c, g, or t

<400> 466

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cctctgcctc gaggctgcgg ttccactgac ccatactact tgccttcagg aaagagaaat 120

ggtgtaggaa ggctgtggat gaagacgctt acattcatga aggatttggga taggcgaaca 180

tgagcttttc caccaaattt cagaatttta agaaatgcct taaattatit cttaaaaatc 240

aatttggggc agacgagaag ttctgataat agtttttagg gaacatgata aaattctgac 300

cttagaagtg gtataccagt ttgagaagaa gaacaagcta taaacggtgt agataacatt 360

cacggctatt taagaaagag ttactaaggg aaaccagaat gacttaagag tgttactctt 420

ctttttctga gagaacaata gcatcatctc agaaagcctt tcatgccatt aataggtgaag 480

aatctgggct tcttgacca tggggttagac tttcttaca aaccataata tgcatttcct 540

agcaaaattt atgctattac atttccttat ctcaacaaag actggtaaat tcagttactta 600

ttctcaatt ttctaccct taaaatgggg atattctgcc tctccaagga atgctgggaa 660

caagcaagtc ctcatgttag ggggtcttga gttttcatgg aagtttaggt tatttatatg 720

atgacatagt tgtcaactta ctttcaggat ggacttttct tttgtgagtt tgtgacctaa 780

atacaatagt tgttatgcat gtccagttta tgggaagtacc actgcaatan cag 833

<210> 467

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (54)..(54)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (83)..(83)

<223> n is a, c, g, or t

<400> 467

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tgtaatccca gcactttggg aggccgaggt gggcggatca cgaagtcagg agattgagac	180
catcctggct aatacagta aatccccgtc tctactataa atacaaaaaa ttagctgggc	240
atggtggcgg gcgtctgtag tcccagctac tcaggagtct gaggcaggag aatggtgtga	300
acccgggagg cggagcttgc agtgagccga gatcgtgccca ctgcaatcca gcctgggcag	360
cagaacgaga ctccatctca aataaataaa taaataaaat gaatttcagc tagaagagcc	420
ttattccatt ttccctttta ttaaacaatct ggcataagtt ggtaagtatg tgaagtttat	480
catataattct tatgcgaatt attatttttcg cctttttttt tataattctg tctgggattt	540
gaatagtaga gtttgaattc aggaaggaca cctgtgatag gacaataaaa tcta	594

<210> 468
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 468	
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caaaatttgt tacagaatac ctgcatatta atatttcaag gtatggatta at	112

<210> 469
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 469	
ctgagtatta actaaaaaaaa aaaaaaaaaa aaaaaaaaaa	40

<210> 470
 <211> 933
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (740)..(740)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (801)..(801)
 <223> n is a, c, g, or t

<220>
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 <222> (878)..(878)
 <223> n is a, c, g, or t

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gttcccttgg gtcttaagag actcactgtt ggaccaggcg tggtgactca cgctgtgaaa	120
accagcactt tgggaggccg aggcggggcg atcagttgag gtcaagagtt caagaccagc	180

ctgaccaagg	tgctgaaacc	ccgtctctac	taaaaataca	aaaattagcc	aggcatggtg	240
gtgtgcgcct	gtaatcccag	ctactccaga	ggctgaggca	ggagaatctc	ttgaacccag	300
gaggtggagg	ttgcagttag	tcgagatcat	gccactgcac	tccagcctgg	gtgacagagc	360
gagactccgt	cttagaaaaa	aaaaaaaaaa	aaaaaagaac	ctcacagttc	agcagggttc	420
tagcatgaga	caatgaggac	aagggttaggt	gagcagggtg	aaagagttag	aacagggtcaa	480
tttgtatgga	gaaaaataa	aagacagaaa	aggcagaaga	ctgcctggca	gaagacctgt	540
cccagcagat	acaaaaatac	agacaacagg	agccagcata	gacccttgac	ctgtgtaagt	600
ctttctcagg	ccttctttta	agtagaaaca	tgcccttgaa	aaaaagtttt	aataaacagg	660
aaaaatcata	atccctattt	acataaataa	tatatcctgg	tcttattctt	aaaaccattg	720
atttttcacg	gctcattaan	aaagctgggc	gaggtggctc	acgcccgta	tcctagcact	780
ttgggaggcc	gaggcgggca	natcacaaag	tgaggagttag	ggagaccagc	ctgaccaaca	840
cggtgaaacc	cagtctctac	taaaaataca	aaaattanct	gggggtggtg	gtgtgtgcct	900
gtaatccaag	ctactcggga	ggctgaggca	gga			933

<210> 471
 <211> 896
 <212> DNA
 <213> Homo sapiens

<400> 471						
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aatcgtttta	ccacatgatg	gacagaagga	atatctcaga	tatctctgaa	aacctcaagc	120
gttaccttct	tcagtatttt	aagccagtga	ttgacaggca	aagctggagt	gacaagggct	180
cagtctggga	caggatgctc	cgctcggctc	tcttgaagct	ggcctgtgac	ctgaaccatg	240
ctccttgcat	ccagaaagct	gctgaactct	tctcccagtg	gatggaatcc	agtggaaaaat	300
taaatatacc	aacagatggt	ttaaagattg	tgtattctgt	gggtgctcag	acaacagcag	360
gatggaatta	ccttttagag	caatatgaac	tgtcaatgtc	aagtgtctgaa	aaaaacaaaa	420
ttctgtatgc	tttgtcaacg	agcaagcatc	aggaaaagtt	actgaagtta	attgaactag	480
gaatggaagg	aaaggttatc	aagacacaga	acttggcagc	tctccttcat	gcgatttgcca	540
gacgtccaaa	ggggcagcaa	ctagcatggg	attttgtaag	agaaaatttg	accctcttc	600
tgaaaaaatt	tgacttgggc	tcatatgaca	taaggatgat	catctctggc	acaacagctc	660
acttttcttc	caaggataag	ttgcaagagg	tgaactattt	ttttgaattc	cttgaggctc	720
aaggatcaca	tctggatatt	tttcaaacgt	ttctggaaac	gataacaaaa	aataataaat	780
ggctggagaa	gaatcttccg	actctgagga	cttggttaat	ggttaatact	taaatggtca	840
atagaaaaag	taggctgggc	gcggtggctc	acgcctgtaa	tcccagcact	ttggga	896

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<210> 472
<211> 158
<212> DNA
<213> Homo sapiens

<400> 472
aaaatttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt      60
tttttttttt tttttttttt tttttttttt tttttttttt ttttttttca gtgttaaagt      120
aggtttgtcg acgcggccac gaatttcccg gggaccaa                                158

<210> 473
<211> 896
<212> DNA
<213> Homo sapiens

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<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (476)..(476)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (502)..(502)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (548)..(548)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (556)..(556)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (781)..(781)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (813)..(813)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (868)..(868)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (896)..(896)
 <223> n is a, c, g, or t

<400> 473
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 ttcggaacg gagtctcgct ttctcgccca ctctggagtg gngcagtggt gnggtctcag 120
 ctaccacag cctccacctc ctgggcccac gcgacccnt caccctagcc tctctcgtag 180
 ctgggactac aggcgtgcac caccattccc aggtaatatt tgtatttttt gtananacag 240
 ggtttcactg ttgttgccca ggctgggtct gaactcctgc ttcagtctgc canaatgctg 300
 gattctaggc gtgagccacc gngcctggcc caaagttac ttttcttaca gaagcaaagc 360
 tttaatgcat ttactgaat gcttatagct ttgtagatac tgaaaagagt atgagcgta 420
 catacagaca catntaacag cactgcctcc aaccagcccc taccactggt tcagngnagt 480
 aanaatcaa attcttttct gngagtgga cggaaatttc atctctctc ctcaggcaag 540

tagttaanag gctggnggga gtcattgccc cattttgttc aaaatacaag ctccacagga	600
acaaaaggct gaactgctca cctcccaact gatgaacctc gtctttgttc catgtcaaa	660
gggcctttgt gttactgcag cagaaactcc agctatcaaa ccatcaggca ccaaaagtaa	720
aactcctttc tctaaaaaga cctctcttta cctgagcctt tcaatgcac tttgccccca	780
nataatcctg gatgagataa tccccagagg aanaccagcg cttgcctagt gaaattatac	840
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<210> 474
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<400> 474	
tcngtggcac ccgtttccgg caccctcaga ctctgaagag ccacctgcga atccacacag	60
gagagaaacc ttaccatgta cgtaagcctc ttgaggccgc tctctgacct gcggggatgt	120
ggagggcagg gaaggaggtg gagcgcaggg aaggaggtg agcagggagg cagtggaa	180
gtttgtcccc atctcaagca cacagtgggg caaccactac gctaattggtt ggaagacct	240
gatctgggcc caatggccag acaccctgct tgaccttggc ccaagcatta ggggactcat	300
ctttaaatag agggatggg actagatgat ctgggcctta ggagaggagt	350

<210> 475
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (829)..(829)
 <223> n is a, c, g, or t

<400> 475	
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ggacaccgag cttgtggaga ccaggccagc aggagatgga accttcaga agtgggcagc	120
tgtggtggtg cttctggag aagagcagag atacacgtgc catgttcagc acgaggggct	180
gccggagccc ctcacctga gatggaagcc gtcttcccag cccaccatcc ccatcgtggg	240

catcgttgct	ggcctggctg	tcctggctgt	cctagctgtc	ctaggagcta	tggtggtgt	300
tgtgatgtgt	aggaggaaga	gctcaggtgg	aaaaggagg	agctgctctc	aggctgcgtc	360
cagcaacagt	gccagggtc	ctgatgagtc	tctcatcgct	tgtaaagcct	gagacagctg	420
cctgtgtggg	actgagatgc	aggatttctt	cacacctctc	ctttgtgact	tcaagagcct	480
ctggcatctc	tttctgcaa	ggcatctgaa	tgtgtctgcg	ttcctgttag	cataatgtga	540
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tgttccctcc	ccgatcatct	ttcctgttcc	agagaagtg	gctggatgtc	tccatctctg	660
ttcacaactc	atgggtgcgt	gagctgcaac	ttcttacttc	cctaataag	ttaagaacct	720
gaatataaat	ttgttttctc	aaatatattg	tatgaagggt	tgatggatta	attataataag	780
tcaatttcctg	gaagttgaga	gagcaataaa	agacctgaga	accttccana	atccg	835

<210> 476
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

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ctacaaattt	ttattaaatt	aataaatcag	aataactaat	ccatgtgttt	ttttctttct	120
taaaaaatat	cttttggtg	ggcacggtag	ctcatggctg	taatcccagc	actttgggag	180
gctgagggtg	gtggatgcgc	tgatgtcagg	agttcaagac	cagcctggtc	aacatgttga	240
aaccccatct	ctactaaaa	tataaaaatt	agccggtgtg	gtggtgggcg	cctgtaatcc	300
cagctactca	ggaggctaag	gcaggagaat	tgctgaacc	caggagtcca	gtgatgtagc	360
ggggagctga	gattgtgcc	ctacactcca	gcctggatga	cagagtgaga	ctccatctca	420
aaaaaaaaa	aaaaaaaa					437

<210> 477
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400>	477					
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tctccatctc	tgtctcaact	ttatgtgcac	tgagctgcaa	cttcttactt	ccctactgaa	180
aataagaatc	tgaataataa	tttgttttct	caaatatttg	ctatgagagg	ttgatggatt	240

aattaaataa gtcaattcct ggaatttgag agagcaaata aagacctgag aaccttccag	300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	360
aaaaaaaaaa	369

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<210> 478
<211> 642
<212> DNA
<213> Homo sapiens

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<400> 478	
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gctaccaagt ttgaagggga ccatgagtct tcaggctgga gcttccaac cagatgaaaa	120
ccccacaatt aacctgcagt ttaagatcca gcagctggcc atttctggac tcaaggtgaa	180
tcgtctggat atgtatggag aaaagtacaa accctttaag ggcataaaat acatgaccaa	240
agctgggaag ttccaagttc gaacctgaag ggagcatttg ctgaggggaat agtcttgac	300
attttttcat ttcttacttg tctaaaagta aaaaaaata tcagcctgtc tcttaggtca	360
gtccctcct ggaccaccc gctcccttt ttcttagcc tcagtgcc tggaaactaat	420
caagggagga aaaggtcacc agggagaact ggacagaact gaaacacagc aacaccagtt	480
ctcaaggaca aggtgtgtga tgggggtagg aagcttggtg cttatgtaac cattttaac	540
gtggtttcta taggaagac caacatttgt ttagcttgct tggctttaat tatctaaagc	600
caatgaaaga cttctttgtt gattttttaa gatagaaaga tt	642

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<210> 479
<211> 912
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (808)..(808)
<223> n is a, c, g, or t

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<220>
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<222> (855)..(855)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (895)..(895)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (906)..(906)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (910)..(910)
<223> n is a, c, g, or t

<400> 479
caaacactat gttattttat gaanaagact tgaacatcta tggattttgg tattttgcaag      60
gggtgaatgg ggtatttgca agcagtgaat gaggaggcct ggaaccaatc ttctgctgat      120
attgaggcac aactgaaaaa ggtatattac ttaaatctct tattgtattg taaactgtat      180
aagtaatgaa attaaaaagg agaaattgtc agactgaata aaatgaaaag accaacaat      240
atgctgctta caagaaacac aattcaaata taaggacaca attagttaa aggaaaagaa      300
ctggaagaaga tataccatga taacacaagt cagaagaag ctgctgtgga tatattaata      360
tgagatgtag atttcagagc agtgaatatt gccaggcata aagaaagtta ttacataata      420
attaaggat cagttcatca agaagatgta ataaccctaa gtatttatac aactaatatc      480
agagcttcaa aatcatgaa gcaaaaacca gtggaattga taggagaac acacaattac      540
acaattatag tcagaatttt caacatatct ttctcaatgg agaaaacaac tagacaggaa      600
atcattaagg atatatagta tttaaattat atgatcaact acctggacgt aattggcatt      660
tatggaacac tgcaccacca acagcagagt acatattatt ttcaagtaca cagaaaacag      720
ttaccaatat agaccatttt ctgggtcata aaacacatct caataaatgt aaaacaatta      780
atgttatata aagtatgtgc tctgaccnca aaggaattag agatcaataa aagaacatct      840
ttgaaaaatc tcantatttt aaaaactaat aactcacttc taaataactc ctgtnntcaag      900
agaatnaaan gg                                                                912

<210> 480
<211> 873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (850)..(850)
<223> n is a, c, g, or t

<400> 480
ccagcctca ctgcgccccg tcaggccagg cagctgccct cagggtctgc caaggtgggg      60
gtcaagggcc atgggggcag gtactctgct ctgcaaagcc cacaagcatg tcagatcacc      120
tgggctgcag acagacaaac acctgagctg ttctgaatac cttcaggttc ctggcctcgc      180
tgagcaagtg cagaaatttt taccttcaag gatcagggtt ttctgtttg ttgtttttt      240
aacacacaca tatgtgaaca aagagtatgc gtttgtactg gcagaagaag cgtctgtgtaa      300

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gacaaccagc aagttaacaa tggtcacctc cagaaatggg ctgggtaaac caaagaattt	360
ttttgttttt gttttttttg agtcagggtc tagctctgtc acccaggctg gaacgcactg	420
gtgtgatcac ggctcactgc agccttgacc tccctggctc aagcaatcct cccagctcag	480
cctcctgagt cgttgggact acaggcacgt gccaccacgc ctgacacatt ttttaaat	540
ttgtagagac agtgtttcac catgttgccc aggcaggctc caaactcctg ggctcaagt	600
gtcctccagc ttcagcctcc caaagtgcta ggattatagg tgtgagccac agtgcccagc	660
cccgtagtgg agaatttctg ttgaatgaac caaaagcaac tgccaacctc tccatgcacc	720
atgtgtttca gaggagaaaag cacagtgaag aatgcagtgt gttctgaggt cctgtcacc	780
ctgaggctgt gtgtgtcctt tgccaaatta aagagtctta ctgaatgcgg tgcattccag	840
agacaggccn aggtttggac tggtaaaaaa aaa	873

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<210> 481
<211> 778
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (531)..(531)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (741)..(741)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (775)..(775)
<223> n is a, c, g, or t

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<400> 481	
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tgaccacca cccatctnt gaccatgagg ccacctgag gtgctgggcc ctgggcttct	120
accctgcgga gatcacactg acctggcagc gggatggcga ggacaaact caggacaccg	180
agcttgtgga gaccagacca gcaggagaca gaaccttcca gaagtgggca gctgtggtg	240
tgcttctctg agaagagcag agatacacat gccatgtaca gcatgagggg ctgccgaagc	300
ccctcacctc gagatgggag ccatcttccc agtccaccgt ccccatcgtg ggcattgttg	360

ctggcctggc	tgtcctagca	gttgtggtca	tcggagctgt	ggtcgctgct	gtgatgtgta	420
ggaggaagag	ttcaggtgga	aaaggaggga	gctactctca	ggctcgctcc	agcgacagt	480
cccagggctc	tgatgtgtct	ctcacagctt	gaaaagcctg	agacagctgt	nttgtgagg	540
actgagatgc	aggatttctt	cacgcctccc	ctttgtgact	tcaagagcct	ctggcatctc	600
tttctgcaaa	ggcacctgaa	tgtgtctgcg	tccttgtag	cataatgtga	ggaggtggag	660
agacagccca	cccttgtgtc	aactgtgacc	ccctgttccc	atgctgacct	gtgtttcctc	720
cccgatcatc	ttttttgttc	ncaataggtg	gggcctggat	gtctccatct	ctgtntca	778

<210> 482
 <211> 666
 <212> DNA
 <213> Homo sapiens

<400> 482		
ttataaggt	cttttaaggt	attttagttg
ttatccact	catcagttga	tgggcatgta
tggtgctgta	tcaggtgtct	ttttagtata
gtagtgggat	tgctggatcg	aatggttttt
tgcattttct	ctctttgacc	actaaccatg
catgaactct	tagtatcatt	gggaaggcca
ctccattttt	cctgttattg	ttggtgcaaa
cagtctgata	agtctttgat	aagtctaata
tctgattact	ttttctttag	tagctaaaca
tcctctccat	ttaaattaat	tatttacatt
actgtcttgg	tttttctggt	ccaggtcagt
ttcttt		

<210> 483
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 483		
gcaaggacta	accctatata	cttctgcata
gagccaaagc	taagaccccc	gaaaccagac
cccgctctatg	tagcaaaata	gtgggaagat
ctggtgatag	ctggtgtgcc	aagatagaat
ccctctaaat	ccccttgtaa	atttaactgt
taggaaaaaa	cctttagtag	agagtaaaaa

ccaccaatta agaaagcgtt caagctcaac acccactacc taaaaaatcc caaacatata	420
actgaactcc tcacacccaa ttggaccaat ctatcacccct atagaagaac taatgttagt	480
ataagtaaca tgaaaacatt ctctccgca taagcctcgc tcagattaaa acactgaact	540
gacaattaac agcccaatat ctacaatcaa ccaacaagtc attattacc tcactgtcaa	600
cccaacacag gcatgctcat aaggaaaggt	630

<210> 484
 <211> 612
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (501)..(501)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (563)..(564)
 <223> n is a, c, g, or t

<400> 484	
ggccaccggg tgcaagggtca gggctggggt ggaggctggg aagcccaggg cttggccac	60
tggtggccgc ttgtgtggtc actgctttcc tgggcctgct gtgagctccc tctaggacc	120
caggcctgtc tggtgggtca ctgtgaccac caccttgca cgcacctggc gcgtggcagg	180
tgctcaaa ca ttacttgttt cggaatgaac ttcatcttgc tcttggtctt ttgactaatg	240
ctgtggaaca tctgactaat tagtgactct ttggggcccc cagtttccca gctataaagt	300
ggtaatatta agataataat tcggccgggc gcggtggctc acgcctgtaa tcccagcagc	360
actttgggag gccgaggtg gcagatcacg aggtcagaag atcgagacca tcctggctaa	420
cacggtgaaa ccccatctct actaaaaata caaaaaatta nccgggcgtg gtggcgggcg	480
cctgtagtcc cagctactca ngaggctgan gcaggagaat ggtgtgaacc cgggaggcag	540
aggttgcagt gaaccaagat cgnnccactg cactccagcc tgggcaacag agcgagactc	600
catcttaaaa aa	612

<210> 485
 <211> 362

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<212> DNA
<213> Homo sapiens

<400> 485
aatcagggcc gcagtggtgtt ctgcgcctgc ccagagctga ctcctgattt aaccgctggc 60
gtaaccgcgg gttgcacgca tgcgtgctga aaagcctttc accctcacgt ggtttctttt 120
ttaaccagtc atcaagcggg gctcgcgcgc aggcccgcg ttggaaaatg gcggggaagc 180
tgaaacctct gaatgtggag gcgccagaag ctgctgagga ggctgaaggt agtgagggca 240
agtgggctgc atcctctttt ctccaaccag ggcagaaagg agggaggatt cgtccatta 300
caataatgaa ataatgatat tctaattttt ttaaataaaa tgtaagcct tttgttattg 360
aa 362

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<210> 486
<211> 854
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (557)..(557)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (679)..(679)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (718)..(718)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (748)..(748)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (755)..(755)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (805)..(805)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (810)..(810)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (843)..(843)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (852)..(852)
 <223> n is a, c, g, or t

<400> 486
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 cctacagcgg gcctgcccgc tgctcgtggc cgtctgcgct ctgcaccttg gcgtcacctc 120
 cgtttactac ctggctggcc gcgacctgag ccgcctgccc caactggtcg gagtctccac 180
 accgctgcag ggcggctcga acagtgccgc cgccatcggg cagtctctcg gggagctccg 240
 gaccggaggg gcccgccgc cgctctctnt aggcgcctcc tcccagccgc gcccggttg 300
 cgactccagc ccagctctgg attctggccc tggccccgct agcaacttga cctcgggtccc 360
 agtgccccac accaccgcac tgtcgttgcc cgctcgccct gaggagctcc cgctgcttgg 420
 taaggactcg ggtcgccgcc agtcggagga ttgggacccc ccggatttc ccgacaggg 480
 tccccanac attccctcag gctggctctt ctacgacagc cagcctccct cttctggatc 540
 agagttttaa atcccanaca gaggcttggg actggatggg agagaaggtt tgcgaggttg 600
 gtccctgggg agtcctgttg gaggcgtggg gccgggaccg cacagggaag tcccagggcc 660
 cctctagccc caaaaccana gaaggccttg gagacttccc tgctgtggcc cgaggctnag 720
 gaagtttttg agttttgggt ctgcttangg cttcnagcag ccttgcactg agaactttgg 780
 tagggacctc gagtaacca ctccnttttn gggactgacg tgaggctccc ggtggggaaa 840
 ganactgacc tntc 854

<210> 487
 <211> 843
 <212> DNA
 <213> Homo sapiens

<400> 487
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 aggctatcca gcgtactcca aagattcagg ttactcacg tcatccagca gagaatggaa 120
 agtcaaatc cctgaattgc tatgtgtctg ggtttcatcc atccgacatt gaagttgact 180

tactgaagaa tggagagaga attgaaaaag tggagcattc agacttgtct ttcagcaagg	240
actggtcttt ctatctcttg tactacactg aattcacccc cactgaaaaa gatgagtatg	300
cctgccgtgt gaacctatgtg actttgtcac agcccaagat agttaagtgg gatcgagaca	360
tgtaagcagc atcatggagg tttgaagatg ccgcatttgg attggatgaa ttccaaattc	420
tgcttgcttg ctttttaata ttgatatgct tatacaccta cactttatgc acaaaatgta	480
gggttataat aatgttaaca tggacatgat ctcttttata attctacttt gagtgtgtgc	540
tccatgtttg atgtatctga gcaggttgct ccacaggtag ctctaggagg gctggcaact	600
tagagggtgg gagcagagaa ttctcttatc caacatcaac atcttggtca gatttgaact	660
cttcaatctc ttgcactcaa agcttggtta gatagttaag cgtgcataag ttaacttcca	720
atttacatac tctgcttaga atttggggga aaatttagaa atataattga caggattatt	780
ggaaatttgt tataatgaat gaaacatttt tgtcatataa gattcatatt tacttcttat	840
aca	843

<210> 488
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 488	
taaatagggg atcctttccc cattgcttgt ttttctcagg ttgtcaaag atcagatagt	60
tgtagatatg cgacgttatt tctgagggct ctgttctgtt ccattgatct atatctctgt	120
cacatgcaca cgtatgtttg ttgtggcact attcacagtg gcaaagactt ggaaccaacc	180
caaatgtcca acaatgatag accgggttaa gaaaatgcgg cacatatata ccatggaata	240
ctatgtagcc ataaaaaatg atgagttcgt gtcctttgta gggacatgga tgaaattgga	300
aatcatcatt ctacagtaaac tatcgaggga acaaaaaacc aaacactgca tatttctact	360
catagggtgg aattgaacag tgggaacaca tggacacagg aaggggaaca tcacactctg	420
aggactgttg tgggggtggg ggaggaggga gggatagcat tgggagatat acctagtgtc	480
ggatgacgag ttagtgggtg cagcgcacca gcatgtcaca tgtatacata tgtaactaac	540
ctgcacattg tgcacatgta ccctaaaact taagggtat	578

<210> 489
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (133)..(133)
 <223> n is a, c, g, or t


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<400> 489
ccgcaacaaa cacgggagtg cagatatcgc tgcgatgggc tgatttcctt tatttgggta 60
tataccagc agtgggattg ctggattgta tggtagctct attagttttt tgaggaacct 120
ccaaactgtt ctncatagtg gttgtactca ttacattcc cactgtgaac cctgaaaatt 180
tgaggcaggt ctcaagttaa ttagaaagtt gattttgcc a gttggggac acgcactcgt 240
gacacagcct caggaggaa c tgatgacatg tgcccaggtg gtcagagcac agcttggttt 300
tatacathtt agggaaacct gagccatcaa tcaacatacg taaaatgggc cgggcacagc 360
agctcaagct gtaatcccag cactctggga ggccgagcg ggtggatcac ttgaggtcag 420
gagttcgaga ccagcctggc caacatgggt aaaccccgtc tctattaaaa atacaaagct 480
tagctggatg ttgtggcgca tcctgtagt cccagctgct ctaggaggtc gaggcatgag 540
aattgcttga acctgggagg cagaggctgc agtgagccga gatcgagcca ctatactcca 600
gcctggtcaa cagagtga c cctgtct 628

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<210> 490
<211> 612
<212> DNA
<213> Homo sapiens

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<400> 490
ccacaactgt gttcactagc aacctcaaac agacaccatg gtgcacctga ctctgagga 60
gaagtctgcc gttactgcc tgtggggcaa ggtgaacgtg gatgaagttg gtggtgaggg 120
cctgggcagg ctgctggttg tctacccttg gaccagagg ttctttgagt cctttgggga 180
tctgtccact cctgatgctg ttatgggcaa ccctaagggt aaggctcatg gcaagaaagt 240
gtcgtgtgcc tttagtgtg gcctggctca cctggacaac ctcaagggca cctttgccac 300
actgagttag ctgcactgtg acaagctgca cgtggatcct gagaacttca ggctcctggg 360
caacgtgctg gtctgtgtgc tggcccatca ctttggcaaa gaattcacc caccagtga 420
ggctgcctat cagaaagtg tggctggtgt ggctaagtgc ctggcccaca agtatcacta 480
agctgccttt cttgctgtcc aatttctatt aaagggttct ttgtcccta agtccaacta 540
ctaaactggg ggatattatg aagggccttg agcatctgga ttctgcctaa taaaaaacat 600
ttattttcat tg 612

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<210> 491
<211> 677
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

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<400> 491
atgggcattct ctcgggacaa ctggcacaag cgccgcaaaa ccgggggcaa gagaaagccc 60
taccacaaga agcgggaagta tgagttgggg cgcccagctg ccaacaccaa gattggcccc 120
cgccgcattc acacagtcctg tgtgcgggga ggtaacaaga aataccgtgc cctgaggttg 180
gacgtgggga atttctcctg gggctcanag tgtgtgtact gtaaaacaag gatcatcgat 240
gttgtctaca atgcatctaa taacgagctg gttcgtacca agaccctggt gaagaattgc 300
atcgtgctca tcgacagcac accgtaccga cagtggtagc agtcccacta tgcgtgcccc 360
ctggggcgca agaaggggag caagctgact cctgaggaag aagagatttt aaacaaaaaa 420
cgatctaaaa aaattcagaa gaaatatgat gaaaggaaaa agaatgcaa aatcagcagt 480
ctcctggagg agcagttcca gcagggcaag cttcttgctg gcatcgcttc aaggccggga 540
cagtgtggcc gagcagatgg ctatgtgcta gagggcaaa agttggagtt ctatcttagg 600
aaaatcaagg cccgcaaggg caaataaatc cttgttttgt cttaccccat gtaataaagg 660
tgtttattgt ttttggt 677

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<210> 492
<211> 736
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (724)..(724)
<223> n is a, c, g, or t

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<400> 492
cttncacata ctgattgatg ttctatgtct ctctaaaatg tgtaaaacca agctgtgccc 60
caaccacctt gggnacatgt gngaggagacc tcctgaggct gtgtcatggg cacaccttaa 120
ccctgggaaa ataaactttc taaactgact tgagagctgt ctgagatatt ctgagcttac 180
agttattgtg aaatcatttt aattataaat taagtggaga ttacttaaa atcatgtgta 240
gaagtagcct gtgatatagt cctagatata tacattatca tcttatgtat cttccctccc 300
tcttccaggt tctgataaaa acagatgaaa tctgaaagac catgacagta gtattttgaa 360

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aatgacagta tttgaaatta aaaaattgta aaagtgtctt gttctatcac tgccaaagga	420
taagttacaa attggttctt ggaacgtaat atgtactatg tgcttgctat ttaataattt	480
accagtccta gtctttttta ttcagactaa ttttacctt ttttaacctac tgactcttta	540
gttatagtag tacaaaaaag tagttttagt tatagtttta gttgtagtac aaaaaagcat	600
tttctgtaag cttaattttt tcccccttcc cgctttccca gtcagatgac tttagtgatt	660
tggagttgtg tgctttataa gtgcattcct cagaggactt aatattacta agatttttagc	720
aacnctgaaa tatgtt	736

<210> 493
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (249)..(249)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (358)..(358)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (435)..(435)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

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<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<400> 493
tgtncctgta gtcctgtgtg ggaggattgc ctgagcctag gagctcaaa gttcagtgag 60
cccagatcgn gncattgcag tccagcctgg gtgacagagt gagaccccat gtcaaaaaaa 120
aaaaaaca aaacaggggc ctgcctcanc cagcagggtga ggtctgccac tgagagcact 180
tctagcagca ggaacagcct ccaccccccac actgcaatca agtttttttg gtcagcctta 240
ggagctaana aagggcctag ttgncctaaa tagcaggagt tatatccagg gatcttcagg 300
cccaggaatg ctaatgagta ggcattccat gggccctggg aatggccttg tgtgccanaa 360
atgatggcca caaaggcctt gctgcctttt ttcaaaatgg ctgcatccag ctgagtgctc 420
tctgccaaag ggganaanaa aataagtctc cagtgcattt agattggtct ctcacatctc 480
ctctcctttt tgtttttatt agtctcctta accaaaactg ccaagaaagg ctggaattg 540
aaacaaaacc tgatanaana ggtaagaggt tgttctttt 579

<210> 494
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)

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<223> n is a, c, g, or t

<400> 494
tgtntcaaaa aaaaaaaaaa gaacggnaat gtactggaga tgtatttgat aaccaaggnt 60
ttaggtataa ttccaccagt attagttnta ttgcaaaact gaaaatgtt gtaggcttaa 120
tataaaaata ccacattagt gaacattata tctcttagaa gaaaggccat attttgctcc 180
tgcttctgta aaaatattat ttgtttgaag gggaaataat ggtagtgtga cctttcactt 240
aattcctact cccttaatat gagagagaca aaatgagctg aagaaggaaa attctggagt 300
tacactccac aaccttgaac atactgacgg acatctctgt ttgacaacg atttctccat 360
gccaccatg ctntaatgcc ttgtggatca cggacaaccc tctttgcaca agctacagca 420
tcagcgatgt tatcttgacg caaagcactg caggataaat gacaggcatt aactgctcct 480
ggggttttgc catcattaca ccagtagcgg ctattgatct gaaatatccc ataacagtg 540
ctctgtctc cagcattgta gttttagtct cgtgtgttgt aaccactctc ccatttgacc 600
aaacacatcc agtttgctag gctgattccc ctgtagccat ccattcccaa tcttttcaga 660
gttctggcca actcacacct ttcaaagacc ttgccctgga ccgtaacaga aaggaggaca 720
agcccagaa caatgagagc cttcatgttg ac 752

<210> 495
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)..(104)
<223> n is a, c, g, or t

<400> 495
ttggtaccg ggaattctt tgccgcgtcg acggccggtg aggcagatca cctgagccca 60
ggagtccagg accagcctg gacagatacc gggattccat cttnactaaa aacagtaggc 120
tggtgtgtgt ggctcatgtc tgtaagctca ggactttgga aggccaaagt gggaggatca 180
cttgagcctg ggagtttgac accagcttga gcatcgtagc caggccctga ctctacaaaa 240
aagtgaata attagccgag tgtggtggtt cacacctgta atcccagctg ctcaggaggc 300
tgaggtagga gaatcatttg aaccggggag gtggagggtg cagtttagcg agatcacgcc 360
attgactcc ggcctgggag ataaagcgag actctgtctc aaaaaaaaaa aaaa 414

<210> 496
<211> 670
<212> DNA
<213> Homo sapiens

<400> 496
attcgggccc agatgtctcg ctccgtggcc ttagctgtgc tcgcgctact ctctctttct 60

ggcctggagg	ctatccagcg	tactccaaag	attcagggtt	actcacgtca	tccagcagag	120
aatggaaagt	caaatttcct	gaattgctat	gtgtctgggt	ttcatccatc	cgacattgaa	180
gttgacttac	tgaagaatgg	agagagaatt	gaaaaagtg	agcattcaga	cttgtctttc	240
agcaaggact	ggctctttcta	tctctgtac	tacactgaat	tcacccccac	tgaaaaagat	300
gagtagcct	gccgtgtgaa	ccatgtgact	ttgtcacagc	ccaagatagt	taagtgggat	360
cgagacatgt	aagcagcatc	atggagggtt	gaagatgccg	catttggatt	ggatgaattc	420
caaatcttgc	ttgcttgctt	tttaatatg	atatgcttat	acacttacac	tttatgcaca	480
aaatgtaggg	ttataataat	gttaacatgg	acatgatctt	ctttataatt	ctactttgag	540
tgctgtctcc	atgtttgatg	tatctgagca	ggttgctcca	caggtagctc	taggagggct	600
ggcaccttag	aggtagggag	cagagaattc	tcttatccaa	catcaacatc	ttggtcagat	660
ttgaactctt						670

<210> 497
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400>	497					
ggatttttgg	tccgcacgct	cctgctcctg	actcaccgct	gttcgctctc	gccgaggaac	60
aagtcggta	ggaagcccg	gcgcaacagc	catggctttt	aaggataccg	gaaaacacc	120
cgtggagccg	gaggtggcaa	ttcaccgaat	tcgaatcacc	ctaacaagcc	gcaacgtaaa	180
atccttgtaa	aaggtgtgtg	ctgacttgat	aagaggcgca	aaagaaaaga	atctcaaaat	240
gaaaggacca	gttcgaatgc	ctaccaagac	tttgagaatc	actacaagaa	aaactccttg	300
tggtgaagg	tctaagacgt	gggatcggtt	ccagatgaga	attcacaagc	gactcattga	360
cttgcacagt	ccttctgaga	ttgttaagca	gattacttcc	atcagtattg	agccaggagt	420
tgaggtggaa	gtcaccattg	cagatgctta	agtcaactat	tttaataaat	tgatgaccag	480
ttgttaaaa						489

<210> 498
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (307)..(307)
 <223> n is a, c, g, or t

<400>	498					
cttattgaaa	attttactaa	tttcttactt	tttaggtttt	aggagaatac	ttttggataa	60
ttgactagcc	tcacattata	ttgatagagg	ttcttgaaaa	ctttaatgcc	aattcatgta	120

tcttatgact	aaaatagata	atccatttag	aaatttaagt	cattcttgcg	tgcttgatat	180
gtgtcagcac	tatccaagtt	gctaggggat	acaatggtga	agtgaaaata	tcagctaggt	240
gccggtggtc	cacacctgtt	atccaacag	tttgggaggc	cagggtgagg	ggatcactca	300
agcacangcg	tttcacacca	gcctggacaa	catacaagac	cccatcttta	ccaaaagtta	360
ag						362

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<210> 499
<211> 382
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

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<400>	499		
ttttcttaga	actttatatt	tcttgccag	gcgcagtgcc
		tcacacctgt	aatcccagca
			60
ctttgggagg	ccaaggcagg	tcgatcacct	gaggtcagga
		gctcaagacc	agcctggcca
			120
acatggtgaa	accctgtctc	tactaaaaat	acaaaaatta
		gctgggcgtg	gtggcgcagt
			180
cctgtaatcc	canctactca	ggaggctgag	gcaggagaat
		tgtttgaacc	cgggaggcgg
			240
aggttgcagt	gagccgagat	tgccgacctg	cactccagcc
		tgggcaacag	agcgaaactc
			300
catctcaaaa	aaaaaaaaaa	aaaacaacct	ttattttttc
		tgatttttaa	agtaataact
			360
agtttgtaga	aacattaaaa	gt	
			382

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<210> 500
<211> 556
<212> DNA
<213> Homo sapiens

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<400>	500		
tctttcgga	gcgcgccttg	tggtgtgacc	cggaattcg
		cgccgcgtc	gacgcggtcg
			60
taagggtcta	ggatttttgg	tccgcacgct	cctgctcctg
		actcaccgct	gttcgctctc
			120
gccgaggaac	aagtcggcta	ggaagcccg	gcgcaacagc
		catggctttt	aaggataccg
			180
gaaaaacacc	cgtggagccg	gaggtggcaa	ttcaccgaat
		tcgaatcacc	ctaacaagcc
			240
gcaacgtaaa	atccttggaa	aaggtgtgtg	ctgacttgat
		aagaggcgca	aagaaaaaga
			300
atctcaaagt	gaaaggacca	gttcgaatgc	ctaccaagac
		tttgagaatc	actacaagaa
			360
aaactccttg	tggtgaaggt	tctaagacgt	gggatcggtt
		ccagatgaga	attcacaagc
			420
gactcattga	cttgacagat	ccttctgaga	ttgttaagca
		gattacttcc	atcagtattg
			480
agccaggagt	tgaggtggaa	gtcaccattg	cagatgctta
		agtcacttat	tttaataaat
			540
tgatgaccag	ttgttt		
			556

<210> 501
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 501	
gcggctgctg ttggttggg gccgtcccgc tcctaaggca ggaagatggt gcccgcaaag	60
aagacgaaaa agtcgctgga gtcgatcaac tctagggtcc aactcgttat gaaaagtggg	120
aagtacgtcc tggggtaaca gcagactctg aagatgatca gacaaggcaa agcgaaattg	180
gtcattctcg ctaacaactg cccagctttg aggaaatctg aaatagagta ctatgctatg	240
ttggctaaaa ctggtgtcca tcactacagt ggcaataata ttgaactggg cacagcatgc	300
ggaaaatact acagagtgtg cactactggct atcattgatc caggtgactc tgacatcatt	360
agaagcatgc cagaacagac tggtgaaaag taaacctttt cacctacaaa atttcacctg	420
caaaccttaa acctgcaaaa ttttccttta ataaaatttg ctg	464